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POCKET GUIDE

2009/2010



TASCAM

TEAC PROFESSIONAL

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2. Edition, December 2009

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DR-07 PORTABLE STEREO RECORDER



- Portable, handheld recording
- MP3 and WAV file recording and playback
- Selectable recording formats:
 - WAV (16/24 bit)
 - MP3 (32/64/96/128/192/256/320 KBit/s)
- 48-kHz or 44.1-kHz recording resolution
- Built-in high-quality stereo condenser microphone
- Switchable low-cut filter (40/80/120 Hz)
- Analogue auto gain control
- Analogue limiter to prevent clipping
- Pre-recording buffer (2 seconds) allows a recording to start before the record key is pressed
- Stereo mic input for an external stereo microphone (mini jack)
- Mono input to connect an external mono microphone (standard 6.3-mm jack)
- Stereo line input with adjustable level to connect an external source (mini jack)
- Headphones/Line output (stereo mini jack)
- Playback features include:
 - Loop, repeat and single playback
 - Folder or playlist playback
- MP3 ID3 tag display (up to version 2.4)
- Pitch control (–50 % to +16 %)
- Key control (to tune the playback sound up or down by 1–6 semitones)
- VSA function (tempo control without affecting the key)
- File divide function (to cut unwanted noise for instance)
- Create a new file during recording (manually or by file size)
- 2-Gigabyte SD card included
- USB 2.0 connection
- Powered by two AA size Alkaline or NiMH batteries
- Optionally available: AC adapter (PS-P520), soft padded case (CS-DR-07)
- Camera stand screw hole on bottom side
- Windshield included as standard
- W x H x D: 55 x 137 x 27 mm
- Weight: 0.125 kg (including batteries)

DR-1 PORTABLE STEREO RECORDER



- Portable, handheld recording
- MP3 and WAV file recording and playback
- Selectable recording formats:
 - WAV (16/24 bit)
 - MP3 (32/64/96/128/192/256/320 KBit/s)
- 48-kHz or 44.1-kHz recording resolution
- Built-in high-quality stereo condenser microphone
- Variable-angle microphone mechanism with A/B configuration
- Switchable low-cut filter (80 Hz or 120 Hz)
- Analogue auto gain control
- Analogue limiter to prevent clipping
- Effects can be applied to the input signal (11 presets and two variable parameters)
- Overdub feature to add narration, singing or instruments to an existing recording
- Stereo mic input for an external stereo microphone (mini jack)
- Mono input to connect an external mono microphone (standard 6.3-mm jack)
- Stereo line input for other recording sources
- Headphone/Line output (stereo mini jack)
- Playback features include:
 - Loop, repeat and single playback
 - Folder or playlist playback
 - MP3 ID3 tag display (up to version 2.4)
 - Vocal/instrument cancel feature with selectable range and pan point
 - Pitch control (–50 % to +16 %)
 - VSA function (tempo control without affecting the key)
 - Key control (to tune the playback sound up or down by 1–6 semitones)
 - Chromatic tuner and oscillator with calibration
 - Metronome
- 1-Gigabyte SD card included
- USB 2.0 connection for file transfer to/from computer
- Rechargeable Lithium-ion battery
- Optionally available: replacement battery (BP-L2), AC adapter (PS-P520), soft padded case (CS-DR-1), accessory kit (tripod, tripod adapter, microphone stand adapter, wind shield (AK-DR1))
- W x H x D: 70 x 135 x 27 mm
- Weight: 0.208 kg (including battery)

DR-100 PORTABLE STEREO RECORDER



- Handheld digital stereo recorder in rugged metal chassis for professional use
- MP3 and WAV file recording and playback to/from SD or SDHC card
- Selectable recording formats:
 - WAV (16/24 bit)
 - MP3 (32/64/96/128/192/256/320 KBit/s)
- 48 kHz or 44.1 kHz recording resolution
- 2 built-in uni-directional and two omni-directional condenser microphones
- 2 XLR mic inputs with +48V phantom power
- Stereo line input with adjustable level
- Dual input level controls (hardware)
- Switchable low-cut filter (40/80/120 Hz)
- Analogue auto gain control with limiter (hardware switchable on/off)
- Built-in monitor speaker (hardware switchable on/off)
- Headphones output with level control
- Separate stereo line output (mini jack)
- Pre-recording buffer (2 seconds), Delayed recording and Auto recording features
- Overdub feature
- Locate markers
- File renaming (Date/User Word)
- File device function
- Create a new file during recording (manually or by file size)
- Quick menu allows deleting or tagging a file directly from the home screen
- Playback features include:
 - In/Out loop
 - Folder or playlist playback
 - MP3 ID3 tag display (up to version 2.4)
 - Pitch control (–50 % to +16 %)
 - Tempo control without affecting the key
- Camera stand screw hole on bottom side
- 2-Gigabyte SD card included
- USB 2.0 connection for file transfer
- Two options of battery operation with backup functionality: Lithium-ion rechargeable battery (included) or two easy-to-find AA batteries
- Wireless remote control, windshield, and softcase included as standard
- Optionally available: replacement battery (BP-L2), AC adapter (PS-P520), soft padded case (CS-DR-100)
- W x H x D: 80 x 153 x 35 mm
- Weight: 0.29 kg (not including batteries)

BB-1000CD / BB-800 PORTABLE DIGITAL RECORDERS

NEW!



- Boom box style recorder including everything needed for digital recording (**BB-1000CD uses CD or SD card, BB-800 uses SD card only**)
- Perfect tool to record and play everything anywhere
- Easy operation with dedicated knobs and keys
- Direct recording to SD/SDHC card
 - WAV format (16 bit / 44.1 kHz)
 - MP3 format (High/Mid/Low bit rate, 44.1 kHz)
- Four built-in microphones (switchable front/rear) for flexible setups including 360-degree recording – perfect for choir and band recording or minutes recording
- Two XLR mic inputs with +48V phantom power
- Automatic or manual recording level
- Switchable auto gain control or limiter
- Line input and output (RCA)
- Headphones output (mini jack)
- Two built-in 3-inch loudspeakers
- 5 W + 5 W digital amplifier
- Special playback features:
 - Loop playback, Flash Back function
 - Tempo change, Key change
- Part cancel feature with adjustable pan point
- Overdub feature, Marker function
- Metronome with LED indicator
- Chromatic tuner
- Auto-Recording feature allows recordings to be started/stopped automatically by level
- File divide function (to cut unwanted noise from recordings, for instance)
- Powered through 8 x AA alkaline batteries or AC adapter (PS-1225L, included)
- Wireless remote control supplied as standard
- Optionally available: soft padded carrying case (CS-BB-1000)
- W x H x D: 380 mm x 205 mm x 107 mm
- Weight: 3.4 kg (BB-1000CD), 3.2 kg (BB-800)

BB-1000CD additional features

- Direct recording to CD-R/CD-RW
- Create audio CDs (CD-DA) from WAV or MP3 files on the SD card
- Extract audio tracks from CD-DA to SD card in WAV or MP3 format (ripping)
- Copy audio CDs (CD-DA format)

DP-004 4-TRACK DIGITAL POCKETSTUDIO



- Portable, ultra-compact multi-track recorder
- Simple, intuitive user interface
- High-quality recording (44.1kHz/16-bit)
- Recording media: SD/SDHC card (2GB SD card included)
- 2-track simultaneous recording
- 4-track simultaneous playback
- Built-in stereo condenser microphone
- Two Mic/Line inputs
- Dedicated Level and Pan controls
- Bounce function (record a stereo mix of up to 4 tracks or mixdown up to 4 tracks to a single new track)
- Dedicated stereo master track
- Locate features
- Repeat playback
- Editing functions: duplicate or erase tracks, cut parts, insert silence
- Undo/Redo feature (up to 500 steps depending on memory capacity)
- Chromatic Tuner/Metronome
- USB 2.0 port for computer backup/restore and WAV import/export
- Can be powered by AA batteries or optional AC adapter
- Dimensions (W x D x H): 155 mm x 34 mm x 107 mm
- Weight: 0.360 kg (without batteries)

DP-008 8-TRACK DIGITAL POCKETSTUDIO

NEW!



- Portable, highly compact multi-track recorder
- Simple, intuitive user interface
- High-quality recording (44.1kHz/16-bit)
- Recording media: SD/SDHC card (2GB SD card included)
- 2-track simultaneous recording
- Two mic/line inputs (XLR and phone jack connectors) with switchable phantom power for condenser microphones
- One input switchable to Guitar
- Built-in stereo condenser microphone
- 8-track simultaneous playback with mixing
- Dedicated Level and Pan controls
- 2-band EQ for both input channels and each of the 8 tracks
- Built-in reverb with dedicated knobs on each track
- Bounce function (create a stereo or mono mix of up to 8 tracks to record additional sources)
- Dedicated stereo master track
- Auto and manual punch in and punch out
- Locate features
- Repeat playback
- Editing functions: duplicate or erase tracks, cut parts, insert silence
- Undo/Redo feature (up to 500 steps depending on memory capacity)
- Built-in chromatic tuner and metronome
- USB 2.0 port for computer backup/restore and WAV import/export
- Can be powered by four AA batteries or optional AC adapter
- Dimensions (W x D x H): 221 mm x 36 mm x 127 mm
- Weight: 0.61 kg (without batteries)



- **DP-02:** Digital Portastudio with built-in 40-GB hard drive and CD-RW burner / CD-ROM drive
- **DP-02CF:** Digital Portastudio using popular and secure CompactFlash card as recording media
- 8-track recording at uncompressed CD quality
- 2-track simultaneous recording
- Dedicated stereo mixdown track
- Dedicated controls on each channel for volume, pan, effect send, EQ high & EQ low
- Two-band shelving EQ per track
- Two TRS mic/line inputs, one switchable to Guitar
- Two phantom powered XLR microphone inputs
- Effects send and stereo return
- RCA line output
- SPDIF digital optical output
- Headphone output with level control
- MIDI output for Timecode or Clock
- USB 2.0 port for computer backup
- Workstation-style editing: copy, paste, move, erase, silence

DP-02 additional features

- Built-in reverb processor
- Built-in multi-effects processor
- Built-in chromatic tuner
- Slot-type CD-RW burner / CD-ROM drive
- Dimensions (W x H x D): 416 x 65 x 299 mm
- Weight:
DP-02: 4.5 kg
DP-02CF: 4.1 kg



Recorder section

- 24-track HDD-based multitrack recorder (80 GB)
 - 44.1 kHz, 24/16 bit
 - 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
- 8 analogue inputs plus SPDIF digital input
- 3 aux sends on all input and track channels
- Flexible on-board digital patch bay

- 3-band EQ on all 24 channels and 8 inputs
- Solo/Mute, Channel link
- Quick setup utility, Snapshot memory
- Analogue (RCA) and digital (SPDIF) master outputs, TRS quasi-balanced monitor output, headphones output

Other

- Internal effects and dynamics processors
- Mastering compressor (single or multi-band)
- Mastering equalizer and noise shaper
- Chromatic tuner, Metronome
- Sync to MTC (Master/Slave), MMC (MIDI Machine Control), MIDI Clock output with SPP
- Import and play Standard MIDI (SMF) files (external sequencer or sound module needed for audio output)
- On-board CD-RW drive
- USB 2.0 port to connect to 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



- CD players with bass (BT), guitar (GT) or microphone (VT) pre amp and effects
- CD-DA/CD-R/CD-RW disc playback
- 10 second anti-shock memory
- Album title/Track title indication by CD-Text
- Elapsed/Remain time display with bar meter
- +16 to -50% pitch control in 1% steps
- VSA (Variable Speed Audition, tempo control without affecting key)
- Key control: ± 6 semi-tones, in semi-tone steps with ± 50 cents fine tune
- Single play and continuous play
- Single Loop, All Loop, seamless In-Out Loop
- Flash Back function (instant review up to 5 seconds prior playback)
- Chromatic tuner with calibration (435–445 Hz)
- 3 octaves tone oscillator
- Metronome (BPM: 40 to 220, Beat: 2 to 6)
- 6.3-mm input with level control
- Input level indicator on display
- Balance between input and CD signals adjustable
- 3.5-mm stereo line and headphone outputs
- Headphone volume control
- Mono monitor function for CD (L+R, L, R)

- Split monitor function (left channel: CD, right channel: input signal or vice versa)
- Comprehensive 128 x 64 dot matrix LC display
- Two options of power supply: alkaline/NiMH batteries or optional AC adapter PS-P520
- Dimensions (W x H x D): 194 mm x 39 mm x 138 mm
- Weight (excluding batteries): 0.55 kg

Individual features

- Built-in effects/sound controls:
 - BT: Up to 4 effect modules plus 7-band graphic EQ, 10 effect banks, Bass enhancement
 - GT: Up to 3 effect modules, 10 effect banks, Guitar Canceller with selectable pan point and frequency range
 - VT: Reverb and echo effects, Voice Changer (1 octave up/down), Instrument/Vocal Canceller with selectable pan point and frequency range
- Other inputs:
 - BT, GT: Foot switch connector, 5 selectable inputs
 - VT: Second mic input with separate mix control on display



- MP3 players with bass (BT), guitar (GT) or microphone (VT) pre amp and effects
- 1 Gigabyte memory capacity
- Multi-effects processor on MP-BT1 and MP-GT1, reverb and echo effects on MP-VT1
- Guitar/vocal canceller with selectable pan point and selectable frequency range on MP-GT1/MP-VT1
- 7-Band EQ and Bass Enhancement Effect on MP-BT1
- 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 instrument/vocals (± 6 semi-tones with ± 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
- Input volume control
- Balance control to set the level balance between MP3 playback and your instrument
- 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
- Optionally available: AC adapter (PS-P520), soft padded case (CS-DR-1)
- 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)



AK-DR1 accessory kit
(available as an option)



Handheld Recorder

- Portable, handheld stereo recording
- MP3 and WAV file recording and playback to/from SD/SDHC card
- Selectable recording formats:
 - WAV (16/24 bit)
 - MP3 (32/64/96/128/192/256/320 KBit/s)
- 48-kHz or 44.1-kHz recording resolution
- Built-in high-quality stereo condenser mic
- Variable-angle microphone mechanism with A/B configuration allows natural wide sound
- Stereo mic input with plug-in power for an external stereo or mono microphone
- Stereo line input for other recording sources
- Switchable low-cut filter (80 Hz or 120 Hz)
- Analogue auto gain control and limiter to prevent clipping

Guitar/Bass Trainer

- Direct connection of electrical guitar or bass
- Built-in guitar/bass multi-effects (55 presets with variable parameters)
- Effects can be applied to the input or playback signal
- Built-in rhythm machine with 88 presets

- Overdub feature to record to an existing recording or to the rhythm machine
- Part cancel feature to reduce parts of playback signal (selectable range and pan point)
- Loop, repeat and single playback
- Variable speed playback (-50 % to +16 %)
- Key control (1-6 semitones)
- Chromatic tuner and oscillator with calibration
- Metronome

General

- Headphone/Line output (stereo mini jack)
- Folder or playlist playback
- MP3 ID3 tag display (up to version 2.4)
- 1-Gigabyte SD card included
- USB 2.0 connection for file transfer to/from computer
- Rechargeable removable Lithium-ion battery
- Optionally available: replacement battery (BP-L2), AC adapter (PS-P520), soft padded case (CS-DR-1), accessory kit (tripod, tripod adapter, microphone stand adapter, wind shield (AK-DR1))
- W x H x D: 70 mm x 27 mm x 135 mm
- Weight: 0.208 kg (including battery)



High-speed tuner

- 8 musical scales (12-note equal temperament, Pythagorean, Mean Tone, Werckmeister III, Kirnberger III, Kellner, Vallotti, Young)
- Calibration function
- Sound out function

Metronome

- 30-300 bpm
- Tap mode to set tempo by tapping on a key
- 6 time signatures (0-7 beats, duplets, triplets, shuffle, quadruplets, quadruplets without center beats)

Trainer section

- Audio recording with internal microphone
- External input for microphone or other source
- Internal flash memory (about 20 minutes recording time)
- Input gain switchable Hi/Lo
- Automatic Gain Control function

- High-speed chromatic tuner (pitch displayed on LCD in real time)
- Playback recorded sound with pitch correction according to selected musical scale
- Loop function to play a section repeatedly
- Variable Speed Audition function to change playback tempo without changing the key

General

- Built-in loudspeaker (switchable on/off)
- Phones output
- Large, clearly readable LC display
- Flip stand on rear side
- Powered by one AA battery or optional AC adapter (PS-P520)
- Dimensions (W x H x D): 150 mm x 18 mm x 64 mm
- Weight: 0.125 kg (without battery)



- USB audio interface with two input and output channels
- 44.1/48 kHz, 16-bit resolution
- Balanced microphone input (XLR or TRS)
- Guitar input with separate connector on front panel (TRS)
- Unbalanced stereo line input (RCA), switchable to RIAA phono for direct connection of analogue turntables
- Ground terminal for turntables
- Unbalanced stereo line output (RCA)
- Headphones output (mini-jack)
- Direct monitoring function allows latency-free input monitoring
- Power supplied by USB connection – no AC adapter required
- Operates using standard Windows XP, Windows Vista and Mac OS X audio drivers
- Audacity recording software included
- Dimensions (W x H x D): 150 mm x 41 mm x 128 mm
- Weight: 0.53 kg



- **US-122 MKII:** Provides two audio inputs and two audio outputs for a Windows or Macintosh computer
 - Two analogue line inputs (one switchable to high impedance for use with guitars, basses, etc.)
 - Common level control for headphones and line output
 - **US-144 MKII:** Provides four audio inputs and two audio outputs for a Windows or Macintosh computer
 - Two analogue line inputs (one switchable to high impedance for use with guitars, basses, etc.)
 - Stereo digital audio input and output (input: SPDIF, output: selectable SPDIF or AES/EBU)
 - Separate controls for output level and headphones volume
- Common features**
- Two XLR mic inputs
 - Switchable phantom power (48 volt)
 - High-quality, low-noise mic preamps
 - One MIDI input, one MIDI output
 - USB 2.0 equipped (also supports USB 1.1)
 - Up to 96-kHz/24-bit for high quality recordings
 - Zero-latency hardware monitoring with level control and mono switch
 - USB-powered, no AC adapter required
 - Solid aluminum side panels
 - Cubase LE4 included
 - Dimensions (W x H x D): 179 mm x 136 mm x 47 mm
 - Weight: 0.7 kg

US-2000 16/4-CHANNEL USB AUDIO INTERFACE

NEW!



- High-quality, 24-bit/96-kHz USB 2.0 audio interface
- Provides 16 audio inputs and 4 audio outputs for a Windows or Macintosh computer
- 8 balanced microphone inputs with high-grade preamplifiers
 - 6 XLR connectors on the rear
 - 2 XLR/jack combo connectors on the front (switchable to Instrument level)
 - Inserts on mic channels 7 and 8
 - 48 Volt phantom power switchable for two channels each
- 6 balanced line inputs on rear (phone connectors, input level switchable between +4 dBu and -10 dBV)
- Mono switches for each analogue input channel pair
- Stereo digital input (SPDIF) and stereo digital output (selectable between SPDIF and AES/EBU)
- 4 balanced line outputs
- High-level headphones output
- Direct monitor function allows zero-latency monitoring of inputs
- Separate level controls for Phones output, Monitor output, signals sent from computer, and signals received via the input connectors
- 5-segment level meter for each input and output
- AC-powered (adapter not required)
- Solid metal chassis with aluminum front panel
- Cubase LE4 included
- Dimensions (W x D x H): 438 mm x 44 mm x 280 mm
- Weight: 2.5 kg

US-1641 USB AUDIO/MIDI INTERFACE



- USB audio interface with 16 inputs and 4 outputs
- 8 mic/line inputs with phantom power and level indicators on front panel
- Two 6.3-mm balanced line/instrument inputs on front
- Four more balanced line inputs on rear panel
- Four line outputs
- Separate stereo 6.3-mm monitor output
- Stereo digital I/O (input: SPDIF, output: switchable between SPDIF and AES/EBU)
- Analogue and digital inputs can be used simultaneously
- 16-channel MIDI I/O
- Separate monitor and headphone level controls
- Zero-latency hardware monitoring
- USB 2.0 interface
- Up to 96 kHz sampling rate at 24-bit resolution without reducing the number of inputs
- Supports Windows XP, Windows Vista 32 and Mac OS X (10.4 and higher)
- Supports Intel Mac
- Includes Steinberg Cubase LE4 (Mac/PC)
- 1-U rackmount chassis
- Dimensions (W x D x H): 483 mm x 280 mm x 44 mm
- Weight: 3.2 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 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
- 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

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)



- Compact 16-channel analogue mixers
 - **M-164**: basic model
 - **M-164FX**: with effects
 - **M-164UF**: with USB audio and effects
- 6 XLR Mic/Line input modules
 - 48V phantom power (switchable on/off)
 - Switchable high pass filter (80 Hz, –12 dB)
 - 3-band EQ (100 Hz / 2.5 kHz / 12 kHz, ±15 dB)
- 5 Stereo input modules with various types of input connectors
 - Ch. 7-8/13-14: 6.3-mm TRS (balanced)
 - Ch. 9-10: RCA (unbalanced), switchable to RIAA Phono to connect a turntable

- Ch. 11-12: RCA (unbalanced)
- Ch. 15-16: Stereo mini jack (top panel)
- 2 Aux sends/returns (send 1 switchable pre/post fader, send 2 post fader)
- Stereo sub mix bus with TRS stereo sub output and TRS mono sub output (both pseudo-balanced)
- Stereo master bus with 2-band EQ (100 Hz / 12 kHz, ±15 dB)
- Balanced TRS and unbalanced RCA stereo master outputs
- Pseudo-balanced TRS mono master output
- Headphones output with level control (switchable Master/Sub/Aux 1)

- Easy-to-read angled meter bridge
- External power supply (PS-1225L, included)
- M-164FX and M-164UF additional features**
- Built-in digital effect processor with 16 presets including Reverb, Delay, Chorus, Flanger, Chorus+Room, Rotary Speaker
- M-164UF additional features**
- USB 2.0 audio interface (16 inputs, 2 outputs, 96 kHz/24-bit) with support for Windows XP, Windows Vista and Mac OS Tiger/Leopard

- Dimensions (all models, W x D x H): 390 mm x 345 mm x 112 mm
- Weight:
 - 2.8 kg (M-164)
 - 3.0 kg (M-164FX)
 - 3.2 kg (M-164UF)



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

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



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



IF-SM/DM

- Surround monitor card
- Installs into expansion slot 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



Multitrack Recording

- 48-track digital recording at up to 96kHz/24-bit
- 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
- 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, auto-terminating
- MIDI In and Out
- TRS balanced 6.3-mm SMPTE In and Out
- 6.3-mm foot switch input

**Recording**

- Dual CompactFlash recording media supports backup, mirroring and seamless A/B recording*
- Long battery life through low power usage
- Easy to read and operate using pivoting TFT colour touch panel interface
- All-aluminum chassis is rugged yet lightweight
- 8-track recording plus stereo mix for a total of 10-track recording
- 8-track recording at up to 96 kHz/24 bit
- 4-track recording at 192 kHz/24 bit
- Broadcast WAV (BWF) support with iXML metadata
- Various power options:
 - AA batteries (x10)
 - NP type batteries
 - AC adapter (included)
 - External DC input
 - Optional V-mount adaptor for Endura batteries
- Pre-record buffer (up to 5 seconds)
- Internal microphone for slate recording
- Limiter and low-cut filter per track
- Auto or manual cue points

- Alert signal to headphone output
- Retake function
- Panel lockout function to prevent accidental transport switching

Inputs/Outputs

- 8 high-quality microphone preamps and A/D converters with independent 48V phantom power for each (standard XLR connectors)
- 8 AES/EBU inputs and outputs (DB-25 connector)
- Sampling rate converter on each AES/EBU input
- 2 balanced analogue outputs (XLR connectors)
- Stereo digital output (BNC connector)
- SMPTE Timecode input and output (BNC connector)
- Video/Word Clock/Cascade input/output (BNC connector)
- Headphones output (6.3-mm stereo jack)
- PS/2 keyboard input for track naming
- USB 2.0 high-speed data transfer to PC

* Seamless Record and Mirroring modes coming in software version 1.10

**Recording**

- Recording media: CompactFlash, Micro Drive
- 16 or 24 bit resolution 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 CompactFlash 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

HD-R1 PROFESSIONAL SOLID-STATE AUDIO RECORDER



- 1-U rack-mount solid-state audio recorder
- Uses popular, secure CompactFlash card as recording media
- USB host interface for USB flash cards
- Audio data formats: PCM (16/24 bit), MP3
- Sampling rates supported: 44.1 kHz, 48 kHz
- XLR balanced mic/line I/O with switchable 20 dB PAD
- Phantom power (switchable on rear panel, front LED indicator)
- Euroblock terminal I/O
- Unbalanced RCA I/O
- Rotary analogue input level controls on front panel
- SPDIF Digital I/O (coaxial and optical)
- RJ-45 Ethernet interface (100 Mbit/s) for file transfer and control
- RS-232 interface for control
- D-sub 25-pin parallel remote control interface
- Direct Play via parallel interface
- Power-on play (playback starts when power comes up)
- Headphones jack with level control on front panel
- Input Through feature
- Auto Fade feature
- Input monitoring/mixing of live stereo input along with playback
- Play modes:
 - Program
 - Folder
 - Shuffle
 - Interval, and more
- W x H x D: 483 x 44 x 280 mm
- Weight: 3.2 kg



- **SS-R1:** Solid state stereo audio recorder
 - Uses popular, secure CompactFlash recording media
 - No moving mechanism for high reliability
 - Supports WAV and MP3 file recording/playback.
- **SS-CDR1:** Combination solid state / CD-RW stereo audio recorder
 - Applicable media for CD-RW recorder: CD-R, CD-RW, CD-R-DA, CD-RW-DA
 - Supports MP3 file recording/playback to/from CD (ISO 9660 format) and memory card
 - Supports WAV file recording/playback to/from memory card
 - CD to memory (copy and ripping) and memory to CD (MP3: copy in ISO 9660, WAV: CD-DA)
- 16 bit resolution at 44.1/48 kHz sampling rates (sampling rate converter included)
- MP3 bit rates from 64 KBit/s to 384 KBit/s
- Remarkable space-saving 1-U rack-mount
- Ideal for replacement of current cassette deck or MD/CD recorder
- Long time recording for meeting minute recording
- Long time playback and various playback modes for sound installations (all, folder, play list, single, random, repeat)
- Edit functions for WAV files on memory card (divide, combine, erase, rename)
- Pitch control, key control, auto cue, auto ready
- Power-on play (timer function)
- Fade in/out on playback
- Sync recording
- Auto track increment (level, DD, time), manual track increment
- Instant start
- XLR balanced analogue I/O
- RCA unbalanced analogue I/O
- Coaxial SPDIF digital I/O
- Mono mix analogue output
- D-sub 9-pin RS-232C serial control port
- D-sub 25-pin parallel control port
- Computer keyboard (PS/2) input for folder/file name editing and remote control
- Wired remote control included
- Dimensions (W x H x D): 483 mm x 44 mm x 300 mm
- Weight: 3.3 kg (SS-R1), 3.5 kg (SS-CDR1)



- Solid state stereo audio recorder
 - Uses popular, secure CompactFlash recording media
 - No moving mechanism for high reliability
 - Supports WAV and MP3 file recording/playback
- Remarkable space-saving 1-U rack-mount unit
- Ideal for replacement of current cassette deck, CD or MD recorder
- Long time recording for meeting minute recording
- Long time playback and various playback modes for sound installations (all, folder, play list, single, random, repeat)
- Edit functions for WAV files on memory card (divide, combine, erase, rename)
- Sampling rate converter
- Pitch control and key control
- Auto cue and auto ready
- Power-on play
- Fade in/out on playback
- Sync recording (level or time)
- Auto track increment (level, DD, time), manual track increment
- Instant start
- RCA unbalanced analogue I/O
- Coaxial SPDIF digital I/O
- Mono mix analogue output
- Computer keyboard (PS/2) input for folder/file name editing and remote control
- Wired remote control included (5 m)
- Dimensions (W x H x D): 483 mm x 44 mm x 300 mm
- Weight: 3.3 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-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 feature
 - Resume feature
 - 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

CD-200 / CD-200i CD PLAYER / CD PLAYER WITH IPOD DOCK

NEW!



- **CD-200:** Easy-to-use, affordable CD player
- **CD-200i:** CD player with iPod dock and additional line input
- High-quality TEAC drive (supports CD-R and CD-RW)
- Audio CD playback
- MP3 and WAV file playback from CD
- Folder selection for MP3 and WAV CDs
- Continuous, Random and Program playback modes
- Repeat playback (Single, All, Folder)
- Intro Check feature
- CD text and ID3 tag support to display artist and track information if available
- Time display (CD-DA: Elapsed, Remain, Total Remain; MP3: Elapsed)
- $\pm 12.5\%$ pitch control
- Anti-shock memory (10 seconds)

- Headphones output with level control
- Analogue output (RCA)
- SPDIF digital outputs (coaxial and optical)
- Wireless remote control included
- 19-inch rack-mount chassis (2U)

CD-200i additional features

- iPod dock on the front panel for playback from an Apple iPod
- iPod video and s-video outputs on rear panel
- Stereo line input on front panel for audio playback from other unit
- Dimensions (W x H x D):
481 mm x 95 mm x 298 mm
- Weight: 4.2 kg (CD-200), 4.7 kg (CD-200i)

iPod™ is a trademark of Apple Corporation

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 rack-mountable
- Full-function remote control included
- Dimensions (W x H x D):
482 mm x 131 mm x 368 mm
- Weight: 7.2 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)

CD-A550 / A750 CD-PLAYER / AUTO-REVERSE CASSETTE DECK

NEW!



General

- CD player and auto reverse cassette deck combined in one compact chassis
- Continuous playback between CD and cassette
- CD to Tape dubbing including Edit Dubbing feature to duplicate a marked section
- Comprehensive combined FL display
- Separate outputs for cassette and CD
- Common output with selectable source
- Mono mix output (CD or Tape)
- Power-on playback (CD or Tape)
- Power-on recording (Tape only)
- Wireless remote control included

CD Player

- High-quality TEAC drive (CD-R and CD-RW media)
- Audio CD playback
- MP3 and WAV file playback from CD
- Folder selection for MP3 and WAV CDs
- Repeat playback (All or A-B)
- Continuous, Single, Random and Program playback modes
- Auto Space function (insert a fixed spacing between tracks during playback)

- CD text and ID3 tag support to display artist and track information if available
- Auto Cue, Auto Ready and Cue Call functions
- Incremental Play, Anti-shock memory
- $\pm 12.5\%$ pitch control
- Analogue (RCA) and SPDIF coaxial outputs

Cassette deck

- Auto reverse playback and recording
- Dolby B noise reduction
- Record mute function
- Tape counter with RTZ (Return to zero)
- $\pm 10\%$ pitch control

CD-A750 additional features

- XLR balanced inputs and outputs
- Parallel control port
- Serial control port
- Dimensions (W x H x D):
483 x 138 x 275 mm
- Weight:
6.3 kg (CD-A550)
6.5 kg (CD-A700)

CD-RW900sl PROFESSIONAL CD RECORDER



- Records to pro CD-R, CD-RW and consumer CD-R and CD-RW media
- NEW: Selectable read speed to increase playability of low-grade or damaged media
- 24-bit A/D and D/A converters
- Input sample rate converter (32 kHz to 48 kHz)
- Independent 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 play (up to 99 songs)
- All, single, or A-B repeat play
- NEW: Auto Cue function
- NEW: Selectable skip mode: jump by track or in 1-minute steps
- NEW: Auto Ready function
- 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 (± 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
- NEW: Infra-red remote receiver can be deactivated
- 2U rack mount construction
- Dimensions (W x H x D): 483 x 93 x 308 mm
- Weight: 4.9 kg

CD-RW901sl PROFESSIONAL CD RECORDER



- Records to pro CD-R, CD-RW and consumer CD-R and CD-RW media
- NEW: Selectable read speed to increase playability of low-grade or damaged 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
- NEW: Selectable skip mode: jump by track, by index, or in 1-minute steps
- Digital fade in/out from 1 to 30 sec in 1-sec steps
- Rec mute function to record silence
- Erase/un-finalize CD-RWs
- All, single, or A-B repeat play
- Continuous, single, random, or program play (up to 99 songs)
- Auto Cue, Auto Ready, Call, and Incremental Play functions
- Plays MP3 files on CDs
- Plays MP3 files inside directories
- Shows MP3 tags on display (ID3)
- Pitch control ($\pm 16\%$ in 0.1 to 1.0% steps)
- Key control (± 6 semi-tones)
- Key original function (change tempo without changing key)
- Selectable copy ID, CD-Text support
- Computer keyboard connector for 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
- NEW: Continuous recording with two CD-RW901SL
- Wired remote control included
- 2U rack-mount construction
- Dimensions (W x H x D): 483 x 93 x 309 mm
- Weight: 5.4 kg

CC-222 SL MKII CD RECORDER / CASSETTE DECK



General

- Cassette to CD-R/RW dubbing and vice versa
- Continuous playback between decks
- Individual RCA unbalanced analogue inputs/ outputs on both decks
- Line output 2 selectable between tape-only output and CD or tape output, with priority to tape
- Dedicated analog input level controls
- Coaxial and optical digital i/o for CD Recorder
- RIAA phono input for turntable connection
- Headphones output with level control
- Wireless remote control included

CD-RW Recorder

- Slot-loading CD drive for 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 (defeatable)
- Auto Track Increment by level
- Time Track Increment (1 to 10 minutes)

- Auto Space function
- Sync record with adjustable sound level
- Fade in and out (1 to 30 seconds)
- Record Mute
- Single play, continuous play, random play, and program play (maximum 99 songs)
- Repeat function
- Intro check function
- Pitch control $\pm 12.5\%$
- Key control (1–6 semitones)
- Erase CD-RW discs
- Un-finalize CD-RW discs
- Power-on play: Starts CD playback when power is applied for installed applications

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: 6.9 kg

202MKV 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
- Pitch control ($\pm 12\%$, Deck 1 only)
- RTZ function (Return To Zero, Deck 1 only)
- Dolby B and HX Pro
- Unbalanced RCA inputs and outputs
- Repeat playback (A–B section)

- Microphone input with separate level control for mix 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: 4 kg



- The one and only rack-mountable MD recorder/player/editor still available on the market
- Comprehensive on-disc editing functions: divide, combine, move, erase, title edit
- Unbalanced RCA analogue input/output
- SPDIF optical and coaxial inputs and outputs
- Digital input level control
- Sample rate converter allows 48 kHz and 32 kHz digital signals to be transferred to 44.1 kHz
- Input monitoring without an MD disk inserted
- Four recording/playback modes:
 - Stereo
 - Mono
 - LP2 (double recording/playback time)
 - LP4 (four times recording/playback time)
 - Multiple modes can be used on the same disc for recording and playback
- Auto-recording by input level
- Auto track increment (by time or level)
- Manual track increment
- Fade in/out while recording
- ATRAC3 compression system
- Playback types:
 - All tracks
 - Program (up to 32 tracks)
 - Random
 - Repeat
- Grouping of tracks and group playback
- Power-on playback (playback starts when power comes up)
- Headphones output with level control
- Computer keyboard connector (PS/2) on the front panel for easy titling and control
- Wireless remote control included
- 19-inch rack-mountable chassis (2U)
- Dimensions (W x H x D): 483 x 94 x 309 mm
- Weight: 4.4 kg (MD-02), 4.5 kg (MD-02B)

MD-02B additional feature

- Balanced XLR input/output



CD deck

- Compatible with CD-R, CD-RW, CD-R Digital Audio and CD-RW Digital Audio media
- Plays MP3 files on ISO 9660 CDs (also inside directories)
- ID3 tag display (information on artist and title names stored inside MP3 files)
- NEW: Pitch control (change tempo and key simultaneously from +16 % to -50 %)
- Key original function
- Fade-in / fade-out (1–30 seconds)
- Individual digital and analogue outputs
- Transport control via computer keyboard

MD deck

- Stereo, Mono, LP2 and LP4 recording/playback
- Individual input level controls (L/R) for analogue recording
- Pitch control ($\pm 12.5\%$)
- Auto track increment
- NEW: Time track increment (adds a track ID every 1 to 10 minutes)
- Sync recording function
- Fade-in / fade-out (1–30 seconds)
- Overwrite recording

- Edit functions (divide, combine, move tracks)
- Individual digital I/O (optical) and analogue I/O (RCA)
- Computer keyboard connector for title input and external control

General

- 4 x speed MiniDisc duplication
- MD-CD continuous playback
- Continuous, single, random, or program (up to 99 songs) play
- All, single, or A-B repeat play
- Auto Cue and Auto Ready functions
- Power-on play function
- Headphones output with level control
- Input sample rate converter (32 to 48 kHz)
- RS-232C serial control
- Balanced input/output kit available as an option (LA-MC1)
- Wireless remote control included
- NEW: Remote receiver can be deactivated
- Compact 2U rack-mount chassis
- Dimensions (W x H x D): 483 x 94 x 308 mm
- Weight: 5.4 kg

LA-40 MKIII LINE CONVERTER (BALANCED/UNBALANCED, BI-DIRECTIONAL)



- 4 channels with unbalanced RCA inputs and balanced XLR outputs
- 4 channels with balanced XLR inputs and unbalanced RCA outputs
- XLR nominal level selectable between +4 dBu and -20 dBu
- Trim pots for each channel on front panel (± 12 dB)
- Signal LED for each channel
- Ground lift switches for each channel and master switch
- Distribution amplifier functionality: One mono input signal can be routed to all four output channels, or one stereo input signal can be routed to two channels each (RCA to XLR and XLR to RCA)
- Internal power supply, no AC adapter needed
- 1 U rack-mountable chassis, Weight: 3 kg

LA-80 MKII / LA-81 MKII LINE CONVERTERS (BALANCED/UNBALANCED)



- LA-80: 8 channels with unbalanced RCA inputs and balanced XLR outputs
- LA-81: 8 channels with balanced XLR inputs and unbalanced RCA outputs
- XLR nominal level selectable between +4 dBu and -20 dBu
- Trim pots (± 12 dB) for each channel on front panel
- Signal LED for each channel
- Ground lift switches for each channel and master switch
- Both units can act as distribution amplifiers
- Internal power supply, no adapter needed
- 1 U rack-mountable chassis, Weight: 3 kg

VL-M3 ACTIVE MONITOR SET

NEW!



- Convenient, compact stereo powered monitor system
- Ideal to monitor sounds from your computer, multi-track recorder or portable music player
- Good-sounding components, little space required
- One active enclosure with 12 W + 12 W built-in amplifier, one passive enclosure
- 3-inch full-range loudspeaker chassis
- Bass reflex enclosures
- RCA stereo line input
- Binding terminals for interconnection of both cabinets
- Volume control and power switch on rear panel
- Powered by AC adapter (included)
- Audio cable (stereo mini-jack to RCA) and loudspeaker cable included
- Dimensions (each enclosure): 100 mm x 152 mm x 126 mm
- Weight:
Left channel active unit: 1.2 kg
Right channel passive unit: 1.1 kg