# CONTENTS

## Recorder section

- 24-track HDD-based multitrack recorder
  - 44.1kHz, 24/16bit
  - Simultaneous playback of 24 tracks
  - Simultaneous recording of 8 tracks
- 250 assignable virtual (alternative) tracks
- 2 additional tracks for mastering
- Powerful editing functions
  - Copy -> Paste/Insert, Move -> Paste/Insert, Open, Cut, Silence, Clone Track, Clean Out, Loop Paste
- 999 levels of Undo/Redo
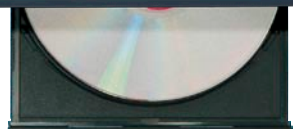
- 999 markers plus In/Out/To locate points per song
- Return To Zero function
- Manual or auto punch in/out
- Rehearsal function
- Repeat playback or recording function
- ±6% variable pitch (playback/recording)
- Waveform view
- Slow Speed Audition

## Mixer section

- 24+8-channel digital mixer
- 64-voice General MIDI sound module
  - Use editable preset patterns to play drums and synths to your recordings or import and play SMF files
- 3-band sweepable/parametric EQ on 24 channels, 8 inputs and MIDI module
- 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 or electric bass)
- Three aux sends on all input, track and tone generator channels
- Internal effects and dynamics processors
  - Reverb, delay, chorus and others to be used as loop effect
  - Up to 8 assignable dynamics processors for compression/noise suppression during recording or mixdown
  - Guitar multi-effects processor for distortion, delay, flange, amp simulation and more
  - Dedicated stereo compressor on the stereo output
- Built-in chromatic tuner
- Flexible on-board digital patch bay
- Quick setup utility
- Channel link
- Solo/Mute
- Snapshot memory
- Digital input (SPDIF)
- Analogue (RCA) and digital (SPDIF) master outputs
- TRS quasi-balanced monitor output
- Headphones output

## Other

- On-board CD-RW drive
  - Burn your mixdown on CD
  - Import/export WAV files
  - Backup your hard drive
  - Play Audio CDs
- High-speed USB 2.0 port connects to PC/Mac for data backup and SMF/WAV file transfer

# DP-01 / DP-01FX 8-TRACK DIGITAL PORTASTUDIOS™



**BUILT-IN 40GB HARD DRIVE**

**PORTASTUDIO 25th ANNIVERSARY**

- 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 & EQ 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
- Two phantom powered XLR microphone inputs (DP-01FX only)
  - Plug in condenser microphones for a higher recording quality

- Built-in reverb processor (DP-01FX only)
  - Polish your mixes
- Built-in insert effects processor (DP-01FX only)
  - Process your track with chorus, flange, amp modeling or other effects as you record
- 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

## MF-P01 4-TRACK PORTASTUDIO™



- Simple 4-track recording
- Industry standard tape speed (4.76cm/s)
- One Mic/Line input
- 4 dots LED meter for recording level monitoring
- Easy-to-use 4 channel mixer section for mixing down
- Master L/R line output
- Headphone monitor output
- Dimensions (W x H x D): 295 x 70 x 205mm
- Weight: 1.1kg

## PORTA 02 MKII 4-TRACK PORTASTUDIO™



- 4-track 4-channel cassette recorder section
- Industry-standard tape speed (4.76cm/s)
- Integrated MIC/LINE inputs for keyboards, microphones, guitars, drum machines and most other music sources
- Simple 4-track recording with assignable input-to-track routing
- Up to 2 tracks simultaneous recording
- Easy to use 4-channel cue mixer for mixing down
- 4-stage LED meters for each track
- Headphone jack with level control
- Dimensions (W x H x D): 300 x 80 x 205mm
- Weight: 1.5kg

## 414 MKII 4-TRACK PORTASTUDIO™



- MIC/LINE input with trim control on channels 1–4
- 2-band high/low equalizer on 4 main input channels
- 2 dedicated stereo inputs
- 2 XLR balanced XLR MIC inputs assignable to channel 1–4
- 1 dedicated guitar input assignable to channel 1–4
- RCA unbalanced
- Stereo SUB inputs
- Tape speed 9.5cm/s
- Separate main and monitor outputs allow monitoring and mastering without repatching
- Headphones output
- 2 effects sends, one switchable to tape cue
- 4 tracks simultaneous recording
- dbx noise reduction
- ±12% pitch control
- Optional RC-30P for hands-free punch in and out
- Return-to-zero (RTZ)
- Dedicated SYNC output for MIDI synchronization
- Dimensions (W x H x D): 387 x 100 x 247mm
- Weight: 2.1kg

# 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 ±6 semitones and ±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 x 40 x 138mm
- Weight (without batteries): 0.62kg

Individual features
- Inputs with level control
  BT: 6.3-mm jack, switchable passive/active
  GT: One 6.3-mm jack, switchable GIT/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

# US-122 USB AUDIO/MIDI INTERFACE



- Windows PC and Macintosh compatible USB Audio/MIDI Interface
- 24 bit AD/DA resolution
- 2 channel audio inputs and outputs
- 1 MIDI IN and 1 MIDI OUT
- 2 XLR balanced MIC inputs with volume control
- 2 TRS balanced LINE/GUITAR inputs with volume controls
- 2 RCA unbalanced LINE outputs with volume control
- 2 TRS balanced INSERTS
- Power supply via USB
- Phantom power (48V) for microphones
- Input source selector between Mic/Line and Guitar
- Direct Monitoring function with a dedi-cated level control, On/Off switch, and Mono switch

- Headphone output with volume control
- ASIO and MME compatibility for Windows 98SE / ME / 2000 / XP
- ASIO, Sound Manager and Core Audio compatibility for Mac OS 8.6 / 9 and OS X 10.2 or higher
- Bundled with Steinberg® Cubase® LE
- GSIF-2 drivers available for GigaStudio 3
- USB cable included
- Power requirements: USB Vbus (5V)
- Power consumption: 2.5W
- Dimension (W x H x D): 145 x 62 x 98mm
- Weight: 0.925kg

# US-2400 DIGITAL AUDIO WORKSTATION CONTROLLER



CO-DEVELOPED WITH
SANE WAVE

- Fully-mapped control for any DAW that supports HUI™ or Mackie® Control protocols
- Compatible DAW applications (with firmware v1.20): Cubase 2.2 and higher, Digital Performer, Logic, Nuendo 2.2 and higher, Pro Tools, Sonar
- Driverless installation via USB 1.1 or 2.0 interface
- Mac® OS X and Windows® XP compatible

- Twenty-five touch sensitive 100-mm moving faders, each with 10-bit resolution
- Bank switching provides access to 192 channels
- Select, Solo and Mute keys per channel
- 24 encoders control pan, aux level or channel strip functions like EQ and Aux
- LED ring displays around encoders display parameters or channel meters

- In/Out point buttons
- Assignable function keys can be set to auto punch, record arming, undo etc.
- Solid-feeling transport controls
- Smooth Jog/Shuttle wheel
- Joystick for surround panning
- Footswitch jack for punch-ins

- Exernal power adapter AC input: 90–264V, 47-63Hz
- External power adapter DC output: 8 V, 5.62A
- Dimensions (W x H x D): 908 x 83 x 387 mm
- Weight (excluding AC adapter): 9.0kg

## 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 64 channels of 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

## FW-1082 FIREWIRE AUDIO/MIDI INTERFACE AND CONTROL SURFACE



- 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): 486mm x 83mm x 386mm
- Weight: 6.5kg

*Control Surface compatibility for some features is subject to the DAW program's native driver software. Check for the latest driver software updates and documentation.

# FW-1884 PROFESSIONAL CONTROL SURFACE / FIREWIRE AUDIO/MIDI INTERFACE



**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)

**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

## 102 MKII STEREO CASSETTE RECORDER



- IC logic-controlled mechanism
- Dolby B and C noise reduction
- Dolby HX Pro
- Independent left and right-channel peak program level meters with peak hold function
- CPS function
- Intro check function
- Headphone output
- 19" rack-mount construction
- Dimensions (W x H x D): 482 x 132 x 286mm
- Weight: 4kg

## 130 STEREO CASSETTE RECORDER



- 3-head design
- 2-motor IC-logic transport control system
- ±10% pitch control
- Auto monitor (tape or source)
- Master record level control with L-R balance
- Stereo headphones out with independent level control
- Record mute with auto-space function
- Auto tape type selection
- Diecast alloy headblock
- Electronic counter with tape run time mode
- Return to zero
- 16 segment peak level meters
- Timer record/playback facility
- Dolby B/C noise reduction with HX Pro
- 3U standard rack-mount construction
- Dimensions (W x H x D): 482 x 132 x 290mm
- Weight: 5kg

## 202 MKIII DUAL AUTO-REVERSE CASSETTE RECORDER



- Dolby B/C and HX Pro
- Normal and high speed dubbing
- Intro check
  (Computomatic Program Search)
- Blank scan, record/mute auto spacer
- Sync reverse and dubbing capability
- Unbalanced RCA inputs and outputs on
  rear panel

- Dual line inputs on front panel
- Headphone jack
- 19" rack-mount construction
- Dimensions (W x H x D):
  482 x 132 x 284mm
- Weight: 4.8kg

## 322 DUAL AUTO-REVERSE CASSETTE RECORDER



- Two independent decks with separate
  input and output connections
- Simultaneous recording and playback
- Individual recording and playback
- Continuos 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
- ±10% pitch control
- Up to ten units can be connected
  together to form 20 deck array for real-
  time duplication
- Multiple tape dubbing, continuos
  playback and logging

- Cascade connector for multiple units
  duplication system
- RS-232 Control Interface
- Control I/O for continuos 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 305mm
- Weight: 7.8kg

## 112 MKII BI-DIRECTIONAL CASSETTE RECORDER



- Hysteresis tension servo control system
- Dolby HX pro
- Dolby B and C noise reduction
- Real-time tape counter
- 3-point auto locator
- Repeat function
- "Auto-Input" monitor selector
- Bi-polar power supply
- Precision VU meters with peak LEDs
- ±12% pitch control
- Rec mute with Auto spacer function
- Program search function
- Auto tape selector
- Optional LA-112 line amplifier unit for balanced operation

- Parallel port for external control
- Front line inputs
- Headphone jack with independent level control
- Optional RC-134 remote control unit
- 19" rack-mount construction
- Dimensions (W x H x D):
  482 x 132 x 356mm
- Weight: 8.6kg

## 122 MKIII STUDIO CASSETTE RECORDER



- 3-head design (cobalt amorphous record and play heads)
- Advanced FG servo direct drive capstan motor
- Hysteresis tension servo control for optimum tape handling
- Precision L/R channel VU meter w/peak LEDs
- Dolby B/C and HX Pro
- MPX filter
- Built-in tone oscillators
- ±12% pitch control with clear on/off switch
- Gear/clutch coupled input level controls
- Headphone output with level control
- Front panel line inputs

- Convenient front panel BIAS calibration controls
- Auto-Input monitor selector
- Cue and review function
- Fader start function
- Zero return stop/play and cue point stop/rewind loop functions
- Parallel control port
- XLR +4dBm and RCA -10dBm input/outputs
- 19" rack-mount construction
- Optional RC-134 remote control
- Dimensions (W x H x D):
  482 x 132 x 356mm
- Weight: 8.4kg

## T-3000 CASSETTE DUPLICATOR



- Cost effective cassette duplicator
- Three independent cassette decks in one unit (2 slaves and 1 master/slave)
- Master/slave selection on deck 3
- Duplication speed of 4-times normal speed (approximately 7.5 minutes with a C-60 tape)
- Copies both sides of a tape in one pass
- Normal/chrome (CrO$_2$) auto switching

- Long-life ferrite heads:
  – Record/playback head: 4-track/4-channel, in-line, ferrite
  – Erase head: half-track x 2, ferrite
- Multiple units can be connected and operated in a series
- 3U rackmountable
- Dimensions (W x H x D): 482 x 132 x 356mm
- Weight: 11.5kg
- Weight: 8.3kg

## DA-78HR 24-BIT, 8-TRACK DIGITAL AUDIO RECORDER



- Selectable 24-bit or 16-bit recording format
- 44.1/48 kHz sampling frequency
- Backwards compatible with existing DTRS recordings
- Synchronization up to 16 units (with DA-38, DA-88 and DA-98)
- 24-bit, 128 times over-sampling Delta/Sigma ADC and DAC
- MIDI IN/OUT/THRU
- Supports MIDI Machine Control
- Time code in/out with on-board SMPTE synchronizer
- D-sub 25-pin balanced and RCA unbalanced analogue audio I/O
- TDIF digital audio interface
- SPDIF digital audio I/O
- Word sync IN/OUT/THRU
- On-board 2-track mix function
- Machine offset in sub-frame or sample rate accuracy
- Auto punch I/O with 0.1 frame accuracy
- Advanced internal electronic patchbay

- Set-up memory stored to tape
- Digital direct-track copying within a unit or between two units
- Shuttle wheel
- Track delay function
- ±6% pitch control
- Seamless punch I/O with digital cross fade
- Adjustable peak hold and release time level meter
- Built-in digital tone oscillator
- A/B head playback error rate display function
- 3U rack size
- Dimensions (W x H x D): 482 x 152 x 350mm
- Weight: 7.5kg

Optional
- RC-808 simple remote control unit

## DA-98HR 24-BIT, 8-TRACK DIGITAL AUDIO RECORDER



- 8 tracks/24 bit/48kHz
- 4 tracks/24-bit/96kHz
- 2 tracks/24-bit/192kHz
- Based on the legendary DA-88, includes the following additional features:
- Confidence monitoring, for playback and mastering individual input monitor select switch facilitates easier checking of source/tape levels
- TDIF / AES/EBU switchable
- Switchable reference levels for integration into a variety of recording environments with internal tone generator
- Digital track copy/electronic patchbay functionality

- Comprehensive LCD display for easy system navigation
- Dedicated function/numeric keys make operation easier
- Built-in synchronizer with support for MMC & Sony P2
- D-sub connector (37-pin) for parallel interface with external controller
- Optional AD/DA board
- Dimensions (W x H x D): 482 x 176 x 357mm
- Weight: 11.1kg

## DS-D98 DSD / DTRS RECORDER



- Developed by TASCAM and Sony for creation of Super Audio CDs
- The only tape-based machine capable of DSD recording
- Two modes: DSD 2-track and PCM multi-track
- Synchronize up to 16 machines with sample accuracy
- Selectable 24-bit or 16-bit recording format
- Selectable sampling frequencies: 44.1/48kHz (8 tracks), 88.2/96kHz (4 tracks), 176.4/192kHz (2 tracks)
- Confidence monitoring function, selectable reference levels
- LCD display on the front panel
- Setup data memory on tape

- Seamless punch I/O with digital cross fade
- Adjustable peak hold release time level meter
- ±6% pitch control, onboard test tone generator, electronic patchbay
- Sony SDIF-3 interface, TDIF-1 digital audio interface
- 8-channel AES/EBU digital I/O standard
- RS-422 control (P2 protocol), XLR timecode I/O with onboard SMPTE synchronizer
- Word Sync In/Out/Thru
- Dimensions (W x H x D): 482 x 176 x 356mm
- Weight: 11kg

# DTRS OPTIONS
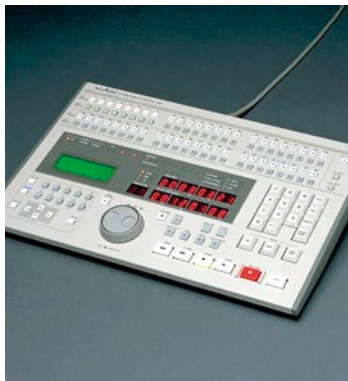




**RC-898** Multi-unit Remote Controller offers centralized transport and record function control of up to 6 DTRS recorders. The RC-898 also features parallel and RS-422 (SONY P2 protocol) ports which allow the RC-898 to control an external ATR or VTR including Jog shuttle operation

**RC-828** Simple Multi-unit Remote Controller offers centralized transport and record function control of up to 4 DTRS® recorders

Other Options
• IF-AE8HR: 8-channel AES/EBU Digital Interface
• MK-9824: Mount Kit for RC-898/MU-8824
• CS-898: Roll Around Stand for RC-898
• RM-8824: 19" Rack Mount Angle for MU-8824
• TDIF-1EX: Cable extension unit for TDIF-1
• PW-88M: Meter cable (5M)

• PW-1ES: 9-pin standard cable (1M)
• PW-5ES: 9-pin standard cable (5M)
• D-sub 25 pin to D-sub 25 pin analogue PW-1D (1M), PW-4D (4M), PW-10D (10M)

CableUp DTRS Options
• CU-PW88D: TDIF Cable (1M)
• CU-PW88DM: TDIF Cable (3M)
• CU-PW88DL: TDIF Cable (5M)
• CU-PW88SS: DTRS Sync Cable (0,5M)
• CU-PW88S: DTRS Sync Cable (1M)
• CU-PW848: DTRS Remote Cable (5M)
• CU-PW848L: DTRS Remote Cable (10M)

CableUp Split Multicores 25pin D-sub to
• CU-SD203 (3M)/205 (5M) 8XLR fm
• CU-SD303 (3M)/305 (5M) 8XLR m
• CU-SD403 (3M)/405 (5M) 8 Stereo Jack

Digital AES/EBU Split Cable, 25pin D-sub to 4XLR fm / 4XLR m
• CU-AES825 (8M)
• CU-AES810 (3M)

# MX-2424 24-BIT, 24-TRACK DIGITAL AUDIO RECORDER / PLAYER



• 24 tracks of 48/44.1kHz, 24-bit audio recording, playback and editing
• 12 tracks of 96kHz, 24-bit audio
• 24 channels each of analogue and digital I/O or both
• Intuitive easy-to-use front panel for accurate editing, recording and playback
• MX-View Graphical User Interface (GUI) for Windows or Mac OS 9 compatible computers (see next page)
• Video clock, LTC and MTC
• Sample accurate TL-Bus (TimeLine Bus) allows sample accurate chaining of up to 32 units together which provides 768 channels at 48/44.1kHz or 384 channels at 96kHz
• Internal 9 gigabyte LVD SCSI drive that can be replaced or updated by the user
• SCSI connector for external SCSI-3 Ultra 2 Wide hard drives (80 Mbps)
• Industry standard 5.25" slot for qualified DVD-RAM or second hard drive

• Jog/scrub wheel for accurate audio location
• 999 virtual tracks freely assignable
• Link up to 32 machines with sample accurate lock (768 tracks) via TL-BUS
• Open-TL edit decision list
• Support for industry standard digital audio clock frequencies
• Record in Sound Designer II or WAV audio formats
• Quick and efficient software updates available via the Ethernet port or on Smart-Media™ card
• 100 levels of undo accessed from the front panel, the RC-2424, or the GUI software
• Dimensions (W x H x D): 482 x 178 x 445mm
• Weight: 7.5kg

# RC-2424/MX-VIEW MX REMOTE CONTROLLER



RC-2424
- Familiar front panel layout of MX-2424
- Controls multiple MX-2424 machines
- Eight user-definable macros for frequently used keystrokes
- Additional keys for dedicated editing functions, allowing you to work faster and more comfortably
- Additional functions for controlling TLSYNC
- Status lights offer immediate indication of important system functions

MX-View
- MX-2424 Graphic editing interface
- Mac OS 9 and Windows native versions
- Scrolling real-time tracks with waveforms
- Sample level waveform editing, including Pencil tool for repair of clicks and pops
- Drag and drop editing on the fly
- 24 track on-screen meters for accurate level metering of up to six MX-2424s
- Edit on up to six MX-2424s simultaneously in one window

- Break-point style volume automation and event based gain automation
- Floating, dockable and re-sizable windows for custom configuration
- Flexible interface allows hide/show of buttons and docking windows to maximize screen editing area
- 12 color-coded edit groups for editing across multiple tracks
- Computer Ethernet backup/restore and audio file transfer with verify function
- Custom configurable keyboard command sets
- Selectable linear and custom fades and crossfades
- Easy virtual track and project file management
- Repeat Paste editing commands for seamless looping
- Batch Fade processing
- Locator window with up to 100 named locate points
- Floating transport window for easy access and quick navigation

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



- High-quality stereo recording at up 192kHz/24-bit or DSD format
- Records standard CD-DA 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 control (only one key press away)
- 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

## 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 313mm
- Weight: 5.5kg

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



**CD deck**
- MP3 file playback / ID3 tag display
- ±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
- ±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 308mm
- Weight: 5.8kg

## 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
- ±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
- ±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 290mm
- Weight (CD-A500): 6.4kg
  Weight (CD-A700): 6.6kg

## CC-222 MKII CD RECORDER / CASSETTE DECK



- Cassette to CD-R/RW dubbing and vice versa
- Continuous playback between decks
- Individual RCA unbalanced analogue inputs/outputs on both decks
- RIAA phono input
- Headphones output with level control
- Wireless remote controller RC-222 supplied as standard
- 3U rack-mountable
- Dimensions: 483 x 138 x 295 mm
- Weight: 8.0kg

CD-RW Recorder:
- CD-R, CD-RW, CD-R-DA, CD-RW-DA discs applicable
- Sampling rate converter (32kHz – 48kHz)
- Digital input level control
- Digital direct recording (bypassing the SRC and digital level)
- Fade in and out (1 to 24 seconds, 1 second steps)
- Auto Track Increment (via SPDIF or audio level)

- Sync record
- Adjustable sound level for auto track and sync recording
- Record Mute
- Erase CD-RW discs
- Un-finalize CD-RW discs
- Continuous play, random play, and program play (maximum 25 songs)
- Repeat function (single, all, A–B)
- Intro check
- Timer play (external timer required)
- Coaxial and optical digital input/output

Cassette deck:
- Auto reverse
- Dolby B noise reduction
- Approx. ±12% pitch control
- RTZ (Return-to-zero)
- Record Mute
- CPS search function

## CD-01U, CD-01U Pro COMPACT CD PLAYERS
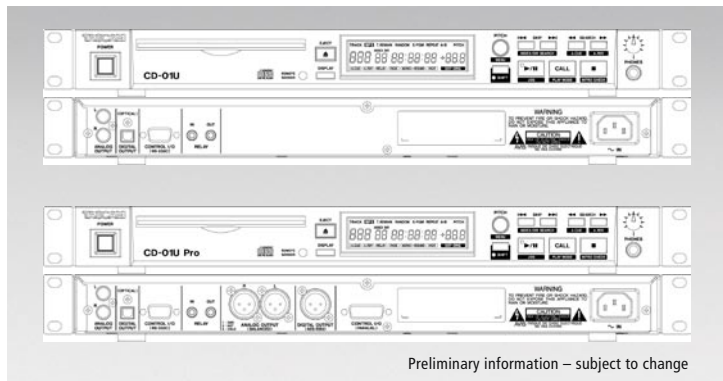
- 1U rack-mountable CD player
- CD-R/RW and MP3 playback
- 12cm/8cm CD playback
- 20 sec. anti-shock memory
- Slot-in CD drive mechanism
- RCA unbalanced analogue output
- SPDIF (optical) digital output
- Frame accurate search
- Playback Mode (Single, All, Program: up to 99)
- Repeat Mode (Single, All, A-B)
- Time Display (Track Elapsed / Track Remaining / Total Remaining)
- Auto Cue, Auto Ready
- ±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 0.5sec 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 mm x 44 mm x 325 mm
- Weight (CD-01U/CD-01U Pro):
  3.5kg/3.7kg

## CD-160 CD PLAYER



- SPDIF coaxial output
- Variable pitch control ±6%
- Time display (Total/Elapsed/Remaining)
- Music calendar
- Intro check function, Auto Cue with LED indication
- Shuffle play
- 32-selection random programming
- 4-way repeat function (ONE/ALL/ PROGRAM/A–B)
- Music Skip/Search
- Headphone jack with level control
- CD-RW disk applicable
- Full-function infrared remote control
- 2U rack-mountable

Specifications:
- Pickup: 3-beam, semiconductor laser
- D/A Converter: 1 bit DAC
- Digital Filter: 8-times oversampling
- Frequency Response:
  20Hz – 20kHz ±1.5%
- Total harmonic Distortion:
  <0.02% (1kHz)
- Signal-to-Noise Ratio: >85dB (1kHz)
- Channel Separation: >80dB (1kHz)
- Output: RCA unbalanced analogue;
  2.0Vrms
- Dimensions (W x H x D):
  482 x 104 x 304mm
- Weight: 4.4kg

## CD-450 CD PLAYER



- Auto cue function
  (-54, -60 (default), -66, -72dB)
- CALL function
- End of message
  (off, 5, 10, 15, 20, 25, 30, 35s)
- EOM or STOP and PLAY tallies
- Fader start and event start
- ±12% pitch control (in 1% steps)
- Fixed pitch (off, ±12%)
- Track search, index search and time
  search using numeric keys
- Single play
- Incremental play
- Auto ready
- Timer play
- Program play
- Repeat play
- Selectable display mode (elapse, remain,
  total remain)
- Menu-driven control settings for EOM
  time, EOM/STOP tally select, fixed pitch,
  auto cue level and timer play on/off
- Battery backup for repeat on/off, single
  play o/off, incremental play on/off, auto
  ready on/off, auto cue on/off, display
  mode (elapse, remain, total remain) and
  search mode (track index/time)
- RCA unbalanced analogue output
- SPDIF digital output (coaxial)
- 2 stereo phone jacks control I/O for fader
  start, event start and EOM/STOP and
  play tallies
- Optional RC-450C wired remote con-
  troller
- Optional LA-450 XLR balanced analogue
  output and AES/EBU digital output kit
- Dimensions (W x H x D):
  482 x 104 x 310mm
- Weight: 5.1kg

## CD-RW750 CD-RW RECORDER



- Records to pro CD-R, CD-RW and con-
  sumer CD-R and CD-RW media
- 24-bit AD/DA converters
- Input sample rate converter
- Input RAM buffer
- Adjustable recording level in digital
  domain
- Sync recording function (number of
  tracks to record, all input data,
  whole CD copy)
- Auto track increment function
- Selectable track mark function
- Fade in/out recording
- Continue, shuffle and program playback
  mode
- Single track and all disc repeat
- No SCMS
- RCA coaxial digital I/O
- Optical TOS digital I/O
- RCA unbalanced analogue I/O
- 2U rack-mount construction
- Wireless remote control included
- Dimensions (W x H x D):
  482 x 104 x 310mm
- Weight: 5.6kg

# CD-RW2000 V3 CD-RW RECORDER



New in Version 3:
- Records to professional and consumer CD-R and CD-RW discs (multi-speed 1x–4x and high-speed 4x–10x media)
- Increased speed at finalise and erase operations: CD-R and high-speed CD-RW: 8x multi-speed CD-RW: 4x
- Manual index increment (by pressing CALL key during recording)
- Index increment mode
- Minimum level (= Digital Zero) selectable as sound level
- TRIM value can be displayed and altered
- Meter peak hold time selectable from 0.0 to 2.5 sec and hold

Other Features
- 24-bit AD/DA converters
- Input sample rate converter
- Input RAM buffer
- Adjustable recording level in digital domain
- Sync recording function (number of tracks to record, all input data, whole CD copy)
- Auto track increment
- Selectable track mark
- Fade-in/out recording
- Continue, shuffle and program playback modes
- Single track and all disc repeat
- No SCMS
- ISRC (International Standard Recording Code) display
- RID (Recorder Identification) code display
- RCA coaxial digital I/O
- Optical TOS digital I/O
- RCA unbalanced analogue I/O
- 2U rack mount construction
- Wired remote control included
- Balanced XLR analogue I/O
- AES/EBU digital I/O
- Word clock input
- Dimensions (W x H x D): 482 x 104 x 310mm
- Weight: 5.6kg

# CD-601MKII BROADCAST CD PLAYER



- 3U half rack size
- Plays CD-DA, CD-RW, CD-R media
- Two playback modes:
  - ON-LINE play: Balanced analogue and AES/EBU outputs are enabled
  - MONITOR play: Unbalanced analogue and SPDIF outputs are enabled
- Fail Safe function to avoid unintentional operation during ON-LINE playback
- Instant start
- Frame accurate search with Jog dial
- Index search
- Single play, Continuous play, Program play (up to 30 tracks), Incremental play
- Elapsed, remain, and total remain time display
- Supports CD text display
- Auto cue with 5 threshold levels
- Auto ready
- Word Sync In/Thru (44.1kHz and 48kHz)
- Sampling rate converter for 48KHz systems
- ±12.5% pitch control in 0.1% steps
- Power-on play
- Selectable output level (FS = +24, +22, +20, or +15dBu)
- Selectable EOM (End of Message) time (OFF, 10, 15, 20, 30, 60, 90 sec)
- Menu system for customisation
- Analogue outputs: XLR balanced with attenuator (0 to –6dB), RCA unbalanced
- Digital outputs: AES/EBU (XLR), SPDIF (coaxial)
- Parallel port for external control
- Serial port (RS-232C) for RC-601MKII remote controller
- Headphone output with level control on the front panel

RC-601 MKII Remote Control
- ON-LINE play and MONITOR play
- Time search with numeric keys
- End Check for monitoring the track's end
- Repeat function: Single, all, program, A-B
- 10 cue point memories per disc
- Flash start from cue points (up to 10)
- Headphone monitor

## CD-RW402 V3 CD PLAYER / RECORDER / DUPLICATOR



- CD Player/Recorder/Duplicator in one
- Independent controls, displays, input and outputs for easy operation
- Uses professional and consumer CD-R and CD-RW discs (multi-speed 1x–4x and high-speed 4x–10x media)
- Duplicates audio and data CDs to CD-R and high-speed CD-RW at higher than 4x writing speed (multi-speed CD-RW: 4x)
- Increased speed at finalise and erase operations:
  CD-R and high-speed CD-RW: 8x
  multi-speed CD-RW: 4x
- Durable TEAC computer CD drive mechanisms
- 2 locate points on deck 1 for cues or edits
- Stutter scrub capability on each deck for setting frame-accurate cues and IDs
- A–B copy function for copying a region as new track
- Read/write CD-Text information
- PS/2 keyboard connector for easy track naming
- Independent balanced XLR and unbalanced RCA analog I/O
- Independent SPDIF coaxial and optical digital I/O
- Dedicated unbalanced RCA connectors for common output
- Headphone output with level control
- Pitch control (±10%) on deck 1
- Sync record function
- Auto ready function (play one track and pause)
- Auto cue function
- Call function (return to last cue point)
- Input monitor function
- Auto ID function with adjustable sensitivity
- Selectable digital gain and fade-in/out
- Selectable SCMS copy protection
- 25-track program play memory
- Parallel control port
- Fader start function
- 24-bit A/D and D/A converters
- Wired remote control included
- Dimensions (W x H x D):
  483 x 138 x 301 mm
- Weight: 8.0 kg

## CD-D1X4 CD DUPLICATOR



- Creates four exact duplicates of a CD at once
- Two CD-D1x4's can be cascaded for making up to eight CD copies at once
- Duplicates audio CDs and CD-ROMs using CD-R, CD-RW, CD-R-DA, and CD-RW-DA media
- High-speed duplication: burns CDs at up to 24x regular speed
- Track extraction function copies a selected audio track
- Disc analyze and disc verification features
- Acoustical notification: beeps when copy is done or an error happens
- Erase data from CD-RW
- Headphone output on each drive
- Reliable, industrial grade TEAC drive mechanisms
- Standard rack-mountable chassis (4U)
- Dimensions (W x H x D):
  483 x 177 x 385 mm
- Weight: 16.5kg

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



CD-X1700 only
- 2 integrated samplers (10 seconds each), reverse playback of samples, ±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
- ±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
- ±16% key control
- BPM counter

- 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 272mm (including feet)
  Remote control CD-X1500: 482 x 88 x 83mm (19", 2U)
  Remote control CD-X1700: 482 x 132 x 83mm (19", 3U)

## TT-M1 CD SCRATCH CONTROLLER FOR DJ TURNTABLES



- CD scratch controller for DJ CD players with TASCAM TT-LINK®-Accessory connector
- Scratch, pitch bend, back-spin and otherwise control your CDs like you were using vinyl
- „Turntable Magic" retrofits onto the edge of just about any standard DJ turntable (tone arm can still be used)
- No additional special audio hook-ups required

- No computer and no special vinyl records required
- Use DJ turntable platter and controls such as start/stop, tempo slider, power on/off to control CD audio
- Can also work without a turntable (scratch on any flat surface!)
- Powered by the DJ CD player

## X-9 PROFESSIONAL PERFORMANCE DJ MIXER



- Mixing and audio manipulation tool for professional DJs
- 4-channel stereo inputs on line and phono inputs
- 2 coaxial digital inputs (channels 1&2), 2 external line inputs (channels 3&4)
- 2 built-in digital effects processors with reverb, delay, echo, flanger, auto pan, fuzz, low-fi filter, pitch control, transformer and low pass filter; 30 storable effects settings
- Dual sampler
- Fully-parametric 3-band EQ on each input channel with 100 storable patterns
- 3-stage adjustable input fader curve, input fader reverse, cross fader reverse, cross fader curve control
- 1 microphone input with 2-band EQ
- Low/Mid/High cut control for both cross fader sides

- Booth output, analogue balanced master output with attenuator, analogue unbalanced master output with attenuator and pre/post master fader switch
- Coaxial digital master output with pre/post master selection in the menu
- Headphone outputs on front and top panels, with 3-stage headphone EQ
- 4 fader start/stop connectors
- External stereo effect send/return connectors
- 2 assignable foot switches connectors
- Dimensions (W x H x D): 482 x 104 x 304mm
- Weight: 4.4kg

## X-15 / X-17 PROFESSIONAL MOBILE DJ MIXERS



### X-15
- Four-channel rack-mountable mobile DJ mixer
- Eight stereo channel sources (two stereo phono inputs, six line inputs)
- Two mic inputs
- 3-band EQ per channel
- Fader start on all four channels
- Balanced XLR and unbalanced RCA master outputs
- Discrete booth outputs and record outputs
- Replaceable crossfader

### X-17
- Four-channel rack-mountable mobile DJ mixer
- Eight stereo channel sources (four switchable phono/line stereo inputs and four dedicated stereo line inputs)

- Two mic inputs
- 3-bank sampler with pitch control and compact flash slot to save and recall samples
- 3-band EQ per channel
- Fader start on all four channels
- Separate stereo aux input with level control
- Effects send/return
- Balanced XLR and unbalanced RCA master outputs
- Discrete aux outputs, booth outputs and record outputs
- Booth dimmer
- Replaceable crossfader
- Dimensions (W x H x D): 482 x 176 x 102mm
- Weight: 4.0 kg (main unit)

## VL-X5 BI-AMPLIFIED NEAR-FIELD STUDIO MONITOR



Rear panel

- 90-watt active bi-amped near-field design
- 1-inch (2.5-cm) natural silk high frequency dome driver
- 5.25-inch (13.3-cm) low-frequency driver
- LF control: 150Hz or 800Hz, ±1.5dB, via DIP switch
- HF control: 3kHz or 8kHz, ±1.5dB, via DIP switch
- Separated amplifier space

- Acoustic Space Control optimises performance regardless of placement
- Magnetically shielded for desktop operation
- Deep size provides rich LF sound
- Dual power amp (Low: 60 watts, High: 30 watts) perfectly matched to the drivers
- Sub-frequency ports deliver amazing bass response

## AV-452 PRESENTATION MIXER / AMPLIFIER



- Audio mixing, video routing, device control, digital amplifier and other installation friendly features in one compact housing
- Four phantom-powered microphone inputs on XLRs and barrier strip
- One A/V channel which acts as an AV receiver, switching between two audio decks and three A/V sources
- Three-band EQ, level, gain and mute controls for each of the four microphone inputs and the A/V channel
- Selectable 100Hz roll-off on mic inputs
- Audio I/O for Cassette, CD-RW, DVD, VCR and Aux
- Composite and S-Video I/O for DVD, VCR and Aux
- RGB In/Thru port for connection convenience

- Switchable Cascade input allows multiple rooms to be linked together
- Stereo digital amplifier delivers 100W per side at 8 ohms
- RC-452 learning IR remote control sends infrared commands to projectors and other devices when inputs are selected
- Record monitor selection allows dubbing between A/V devices
- Constant voltage input with noise gate allows paging systems to be integrated into the same speaker system
- EMG break input to mute local audio when an emergency alarm system is activated
- Motorized master volume control

# DM-3200 32-CHANNEL DIGITAL MIXING CONSOLE



- 3 TDIF-1 I/O (24 channels)
- 2 headphone outputs
- RCA TC input
- 2 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 (RC-30P)
- Optional Meter bridge (MU-1000)
- DAW control capability with optional FireWire card (IF-FW/DM*)
- Transport Control
- Surround monitoring with optional card*
- 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*

* These features will be supported in future update



IF-FW/DM
FireWire card



FireWire

## Mixer section

- 48 mixing channels (32 channel inputs + 16 returns)
- 4-band EQ and dynamics on each input channel (CH 1 to 32)
- 16 bus outputs, 8 AUX outputs, 1 stereo output
- Dynamics on each output (16 busses, 8 Aux sends, and Stereo output)
- Built-in effects processing
- On board TC Reverb
- 16 + 1 touch sensitive motorized faders

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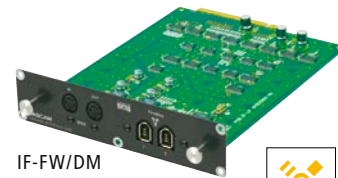- Total recall by project management

## Inputs and outputs

- 16 XLR balanced MIC inputs with phantom power and 20dB PAD
- 16 TRS balanced Line inputs
- 16 TRS unbalanced inserts
- 4 assignable sends/returns
- XLR balanced stereo output
- RCA unbalanced Studio output
- RCA unbalanced 2-track inputs
- TRS balanced Control Room output
- 2 XLR AES/EBU digital I/O
- 2 Coaxial SPDIF digital I/O
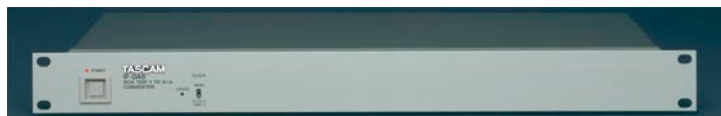- ADAT I/O (8 channels)

## IF-TAD FORMAT CONVERTER

- Bi-directional TDIF to lightpipe digital format conversion
- Word clock output

## IF-AE8HR FORMAT CONVERTER

- Bi-directional conversion between 8 channels of TDIF and AES/EBU
- Word sync In/Out/Thru
- Individual word clock lock LED indicators for each AES/EBU pair

## IF-DA8 FORMAT CONVERTER

- 8 channel TDIF to analogue converter, 24-bit
- Clock selector (word or TDIF)
- 2 TDIF connectors (D I/O 1 and D I/O 2)
- Word sync IN and THRU connectors

## MA-AD8 PRE-AMPLIFIER

- Eight channels of mic preamps, converted to TDIF
- +48V phantom power
- Cascading TDIF port to allow system expansion

## 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

## MA-8 8-CHANNEL MICROPHONE PREAMP

- 8 XLR balanced microphone inputs
- Switchable 48 V phantom power
- Eight 6.3 mm direct output jacks
- 55 dB Input trim control on each channel
- Ground lift switch
- Internal power supply

## MX-4 4-CHANNEL MICROPHONE PREAMP

- MS matrix, Direct out, stereo sub input
- Phantom power, PAD, phase, Mute

## MH-40 MKII HEADPHONES AMPLIFIER

- Can drive up to four stereo headphones
- 1.5 W on each headphone output

## GIGASTUDIO 3 EXPANDABLE SAMPLING WORKSTATIONS



**New in version 3.0:**
- Available in three variants (Orchestra, Ensemble and Solo)
- Unlimited Polyphony in Orchestra (dependant on hard drive speed and computer processor speed); 160-voice polyphony in Ensemble, 96 voices in Solo
- 128 MIDI channels in Orchestra (Ensemble: 64 channels, Solo: 32 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 (Playback-only version in Ensemble and Solo; GigaPulse™ Pro in Orchestra)
- 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 with Orchestra and Ensemble ("light" version in Solo)
- Vienna GigaSymphony sample library included with Orchestra

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

## GIGAPULSE™ CONVOLVING REVERB PROCESSOR FOR WINDOWS



- 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.

# TASCAM.

# TASCAM.

## POCKET GUIDE



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