

# TASCAM

## Explore the Realm of Performance and Reliability



MULTI-TRACK RECORDERS  
ANALOGUE & DIGITAL MIXERS  
COMPACT MIXING AMPLIFIERS  
SOLID-STATE RECORDERS  
CD/DVD/BLU-RAY PLAYERS  
NETWORK PLAYERS  
CD RECORDERS  
DANTE CONVERTERS  
4K AV-OVER-IP STREAMERS  
CLOCK GENERATORS  
REMOTE CONTROLLERS  
ACCESSORIES

Audio Products for Broadcast and Installation **2024**



# TASCAM

## Count on a Strong Partner With Years of Experience

Tascam is one of four divisions of Teac Corporation, a large designing and manufacturing company headquartered in Japan. While the other divisions have grown into a multitude of high tech industries, Tascam has remained dedicated to making innovative and reliable products in the field of music and professional audio.

Tascam's success reaches back to the 1970's when the company launched the first mass-produced 4-channel tape recorders using the Simul-Sync technology. With the ability to record on one track while listening to another, Simul-Sync was a milestone in recording history and the basis for all modern overdubbing technologies.

Over the years, Tascam became well-known for the value of their rock-solid mixing consoles and multitrack recorders that often surprised with features found in far more expensive products. Due to its robustness and versatility, the DA-88 DTRS recorder, for example, was a standard in recording studios and film/video post production over many years.

Until today, Tascam has continued designing innovative solutions for recording studios, the broadcast industry, clubs and concert halls, sound engineers, musicians and music enthusiasts all over the planet.



# TASCAM

## DA-6400 64-Track Audio Recorder/Player



**TASCAM SSD TECHNOLOGY**

- ▶ **64 tracks (48 kHz/24-bit) or 32 tracks (96 kHz/24-bit), BWF**
- ▶ **Controllable via Ethernet, RS-422, parallel port or iPad/computer applications**
- ▶ **Can be synchronized to video and word clock as well as timecode**
- ▶ **Software version 2 adds important features for playback like Theatre Play, Auto Ready and Playlists**
- ▶ **Built-in power redundancy (DA-6400dp only)**
- ▶ **Ideal backup or stand-alone recorder: just switch on, and start recording**

- ▶ **Multi-track playback for theatres, theme parks and installations**
- ▶ **Two slots for audio interface cards**
- ▶ **Removable 2.5-inch Tascam SSD (hot swapping is possible) with USB 3.0 port for easy file transfer**
- ▶ **File transfer also possible over Gigabit Ethernet**
- ▶ **SMPTE frame rates: 24, 25, 29.97DF, 29.97NDF, 30DF and 30NDF**
- ▶ **Highly accurate clock signal ( $\pm 1$  ppm) through temperature-compensated oscillator (TXCO)**

**IF-AN16/OUT** – Analogue outputs  
16 analogue output channels

**IF-AE16** – AES/EBU  
16 channels of I/O (44.1/48/88.2/96 kHz)

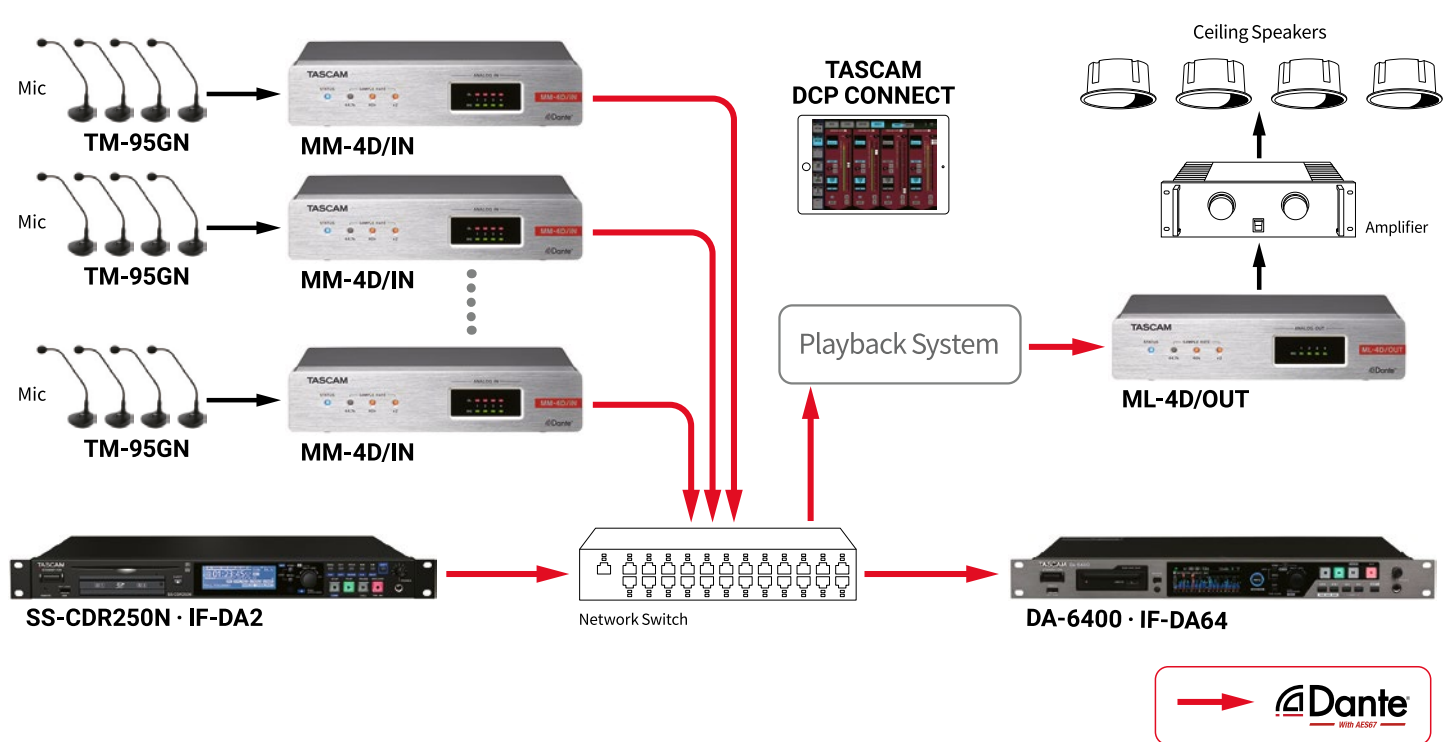
**IF-MA64/BN** – MADI coaxial  
64 channels of I/O (44.1 kHz/48 kHz) or 32 channels of I/O (88.2 kHz/96 kHz)

**IF-MA64/EX** – MADI optical/coaxial  
Same as above, with additional input thru on BNC connector as well as optical I/O

**IF-DA64** – Dante via Ethernet  
64 channels of I/O (44.1 kHz/48 kHz) or 32 channels of I/O (88.2 kHz/96 kHz)

*Two slots for interface cards*

Built-in power redundancy (DA-6400dp only)





## CG-2000 · CG-1800 Master Clock Generators



- ▶ **Extremely stable and highly accurate master clock generators**
- ▶ **CG-1800 for small to large post-production studios**
- ▶ **CG-2000 for the highest demands: Highest reliability through redundant power supply and redundant video sync and wordclock inputs; GPO outputs for monitoring the error status**
- ▶ Temperature-compensated rubidium oscillator for highly accurate clock signal generation (accuracy:  $\pm 0,01$  ppm, stability:  $\pm 0.05$  ppm/day)
- ▶ Manual calibration possible using an external 10-MHz signal
- ▶ Jitter management and glitch-less relock
- ▶ Outputs: 12  $\times$  wordclock (2 of which support Fs/4, Fs/2, 2 Fs, 4 Fs and 256 Fs), 2  $\times$  AES3/AES11, 2  $\times$  SPDIF (CG-2000 adds 4  $\times$  video sync)
- ▶ Adjustable wordclock output level
- ▶ Analyser and logging functions
- ▶ Up to four settings can be saved

## SS-CDR250N · SS-R250N Networkable Audio Recorders

Available with or without CD drive

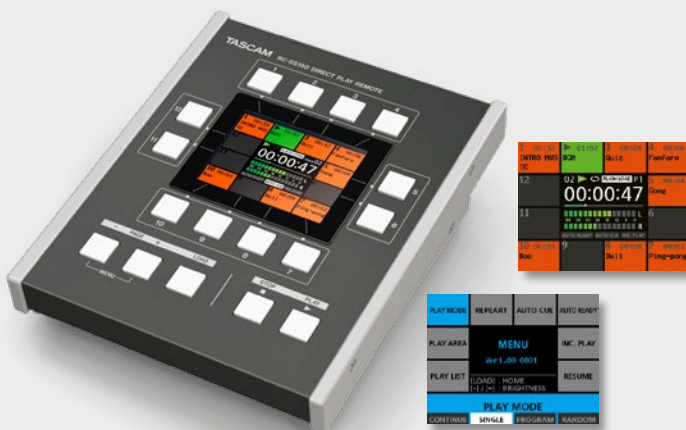


Optional Dante Interface Card



- ▶ **Sleek space-saving rack-mount units**
- ▶ **Ideal replacement for current cassette decks or MD/CD recorders**
- ▶ **Record to SD and USB storage media or CDs (SS-CDR250N)**
- ▶ **FTP client function for automatic file upload/download**
- ▶ **Event lists for time-based recording, playback and other functions**
- ▶ **Up to 20 tracks of flash start**
- ▶ **Recording at up to 96 kHz/24-bit (WAV), MP3 or Audio CD (SS-CDR200)**
- ▶ Dual SD card slot for backups or long-duration recording
- ▶ Serial (RS-232C) and parallel control, App for iOS/Android
- ▶ Sample rate converter
- ▶ Supports 64–384 kbit/s MP3 bit rates
- ▶ SNTP function for time synchronisation
- ▶ Long-duration playback and various playback modes for sound installations
- ▶ Pitch control, key control, call, auto-cue, auto-ready, incremental play, ducking function, power-on play, synchronised recording
- ▶ WAV files on memory card can be edited
- ▶ Manual or automatic track numbers
- ▶ EOM functions
- ▶ Balanced analogue I/O (XLR)
- ▶ AES/EBU digital I/O
- ▶ SPDIF digital I/O (coaxial)
- ▶ Optional Dante interface card

## RC-SS150 Remote Control for SS-CDR250N and SS-R250N



- ▶ **Wired remote control with solid body for professional, long-term use**
- ▶ **Clear 3.5-inch TFT colour display**
- ▶ **12 flash start buttons arranged around the display**
- ▶ **Access to playlists with up to 96 tracks (8  $\times$  12)**
- ▶ **Low-noise, long-life buttons**
- ▶ On-screen display of operation status, playback mode, elapsed/remaining time, file name and playback level
- ▶ Access to playback area and playback mode settings
- ▶ Repeat, Auto Cue, Auto Ready and Incremental playback can be switched on/off (status display on screen)
- ▶ Adjustable display brightness
- ▶ Connection via included RS-232C cable (5 metres)
- ▶ Power supply via SS-CDR250N/SS-R250N
- ▶ Dimensions (W  $\times$  H  $\times$  D): 343 mm  $\times$  250 mm  $\times$  174 mm
- ▶ Weight: 1.5 kg

## 202 MKVII Dual Cassette Deck with USB Output



USB output for backups and archiving<sup>1</sup>



<sup>1</sup> Audio recording software is required in order to record sound on a computer

- ▶ **Two cassette decks in one unit**
- ▶ **Both decks can record and play back**
- ▶ **Parallel recording on both decks**
- ▶ **Digital USB output for backups and archiving on a computer<sup>1</sup>**
- ▶ **One-way IC logic transport control with excellent stability and durability**
  - ▶ Supports Normal, Chrome and Metal tapes (Type I, Type II, Type IV)
  - ▶ Normal-speed dubbing capability
  - ▶ Noise reduction dubbing function (playback)
  - ▶ Pitch control ( $\pm 12\%$ , Deck 1 only)
  - ▶ RTZ function (Return To Zero)
- ▶ Repeat playback (A-B section, stops after 20 repetitions)
- ▶ Microphone input with separate level control for Karaoke and announcements
- ▶ Mix recordings can be created with a microphone and a line-level source or cassette playback
- ▶ Unbalanced RCA analogue audio inputs and outputs
- ▶ Power-on playback/recording
- ▶ Headphones output with level control
- ▶ Dedicated wireless remote control included

## CD-RW900SX Professional Audio CD Recorder



- ▶ **Gapless continuous recording**
- ▶ **Independent L/R analogue input level controls**
- ▶ **Adjustable digital level**
- ▶ **Sync recording**
- ▶ **Variable pitch and/or key playback**
- ▶ **Auto Cue, Auto Ready**
  - ▶ Fade in/out from 1 to 30 seconds in 1-second steps
  - ▶ Rec mute function to record four seconds of silence
  - ▶ Power-on playback
  - ▶ Supported media: CD-R, CD-R-DA, CD-RW, CD-RW-DA
  - ▶ Plays MP3 files on data CDs (up to eight folder levels)
- ▶ Continuous, single, random, or program (up to 99 songs) playback
- ▶ All, single, or A-B repeat playback
- ▶ Erase/un-finalise CD-RWs
- ▶ Computer keyboard can be used for CD-Text input and as a remote control
- ▶ RCA unbalanced analogue I/O
- ▶ Coaxial and optical digital I/O (IEC 60958-3, SPDIF)
- ▶ Headphones output with level control (20 mW per channel)
- ▶ Sampling rate converter on coaxial and optical digital inputs
- ▶ Anti-shock memory (4 seconds)
- ▶ Wireless remote control included
- ▶ Detachable power cable

## CD-6010 CD Player with Flash Start Function for up to 20 Tracks



32-bit converters for excellent sound, optimal S/N ratio and minimum distortion



Neutrik connectors with gold-plated contacts



- ▶ **Ideal for broadcasting, installations or mobile playback for live events**
- ▶ **Numeric keys for track selection and flash start, stores up to 20 cue points**
- ▶ **Frame-accurate location, index search (audio CDs) and directory search (MP3 CDs) functions**
- ▶ **RS-232C and parallel remote control**
- ▶ **EOM time display**
- ▶ Many useful playback functions such as auto-cue, auto-ready, flash start, resume, intro check playback, key and pitch control ( $\pm 16\%$ ), auto-resume
- ▶ Adjustable track interval setting
- ▶ Internal memory stores information for up to 100 discs and the last-used operation mode
- ▶ Fade-in/fade-out, fader start functions
- ▶ Internal monitoring speaker (mutable)
- ▶ Cascade function to connect multiple units
- ▶ Analogue audio outputs: XLR, RCA, optional mono output
- ▶ Digital audio outputs: SPDIF (coaxial), AES/EBU (XLR)

## CD-400U DAB Media Player with DAB+/FM Tuner and Bluetooth Receiver



The optional IF-E100 Ethernet card allows remote control over a network (Telnet)



- ▶ Ultra-compact media player with DAB+/FM tuner and Bluetooth receiver
- ▶ Multiple playback sources including Audio CDs, MP3 and WMA files, audio files from SD and USB media (MP3, AAC, WAV, WMA), DAB+/FM tuner, Bluetooth, other sources via AUX IN connector
- ▶ Radio signal can be output from the main or separate output connectors
- ▶ Dubbing from CD or tuner to SD or USB memory (MP3 format)
- ▶ Remote control via RS-232C or optional Ethernet card (Telnet)
- ▶ Slot-loading CD drive mechanism
- ▶ Numeric keys for direct track selection
- ▶ Playback modes: Continuous, Single, Random, Repeat (All, Single, A-B)
- ▶ Incremental play (CD, USB, SD)
- ▶ Resume function (start playback from where the unit was last stopped)
- ▶ Folder playback with SD and USB media
- ▶ Power-on play (timer function)
- ▶ XLR and RCA outputs (main)
- ▶ RCA output (tuner)
- ▶ Headphones output with dedicated volume control
- ▶ Wireless remote control included

## CD-200SB Universal Playback Machine for Solid-State Media & CDs



Versatile: In addition to CD playback, the CD-200SB can also play audio from SD cards or USB flash drives



- ▶ Versatile, reliable and easy to use
- ▶ An ideal replacement for disc changers
- ▶ Plays audio from SD cards, USB flash drives or CD-DA, CD-R, CD-RW discs
- ▶ Supported file formats: WAV, MP3, MP2, WMA and AAC
- ▶ Front-panel keys for direct access to 10 user-defined folders on SD cards and USB media
- ▶ Direct dubbing of audio CD tracks to SD or USB media in WAV or MP3 formats
- ▶ Supports CD text and ID3/WMA/AAC tag information
- ▶ Adjustable playback speed/pitch ( $\pm 14\%$ )
- ▶ Playback buffer protects against dropouts (10 seconds)
- ▶ Headphones output with level control
- ▶ Analogue outputs on XLR and RCA connectors
- ▶ SPDIF digital outputs (coaxial and optical)

## CD-200BT CD and Mobile Device Playback



- ▶ CD player with Bluetooth receiver
- ▶ Playback of audio CDs as well as MP3/WAV CDs
- ▶ Playback of internet radio or network files from a Bluetooth-connected smartphone or computer
- ▶ Additional audio sources can be connected using the front-panel aux in jack
- ▶ Bluetooth apt-X codec provides high-quality audio transmission with low latency (AAC and SBS are also supported)
- ▶ Up to eight different Bluetooth devices are memorised and can easily be selected with a dedicated button
- ▶ High-quality TEAC CD drive specially made for audio devices (also supports CD-R and CD-RW)
- ▶ Folders on MP3/WAV CDs can be selected manually
- ▶ Continuous, random and programmed playback modes
- ▶ Repeat playback (single/all tracks, current folder)
- ▶ Intro-check function plays the first ten seconds of each track one after another
- ▶ Supports CD text and ID3 tags to show artist and track information if available
- ▶ Adjustable playback speed/pitch ( $\pm 12.5\%$ )
- ▶ Playback buffer protects against dropouts
- ▶ Headphones output with level control
- ▶ Analogue output (RCA jacks)
- ▶ SPDIF digital outputs (coaxial and optical)
- ▶ Wireless remote control included

## CD-200 The Basic All-Round Player



- ▶ **Easy-to-use and affordable CD player for installations and live touring**
- ▶ **High-quality TEAC CD drive specially made for audio devices (also supports CD-R and CD-RW)**
- ▶ Continuous, random or programmed playback, repeat playback (single or all tracks)
- ▶ Supports CD text and ID3 tags to display track and artist information, if available
- ▶ Time display (CD-DA: elapsed and remaining playback time, total remaining time; MP3: elapsed time)
- ▶ Adjustable playback speed/pitch ( $\pm 12.5\%$ )
- ▶ Playback buffer protects against dropouts
- ▶ Headphones output with level control
- ▶ Analogue output (RCA jacks)
- ▶ SPDIF digital outputs (coaxial and optical)
- ▶ Wireless remote control included
- ▶ EIA rack mount size (2U)

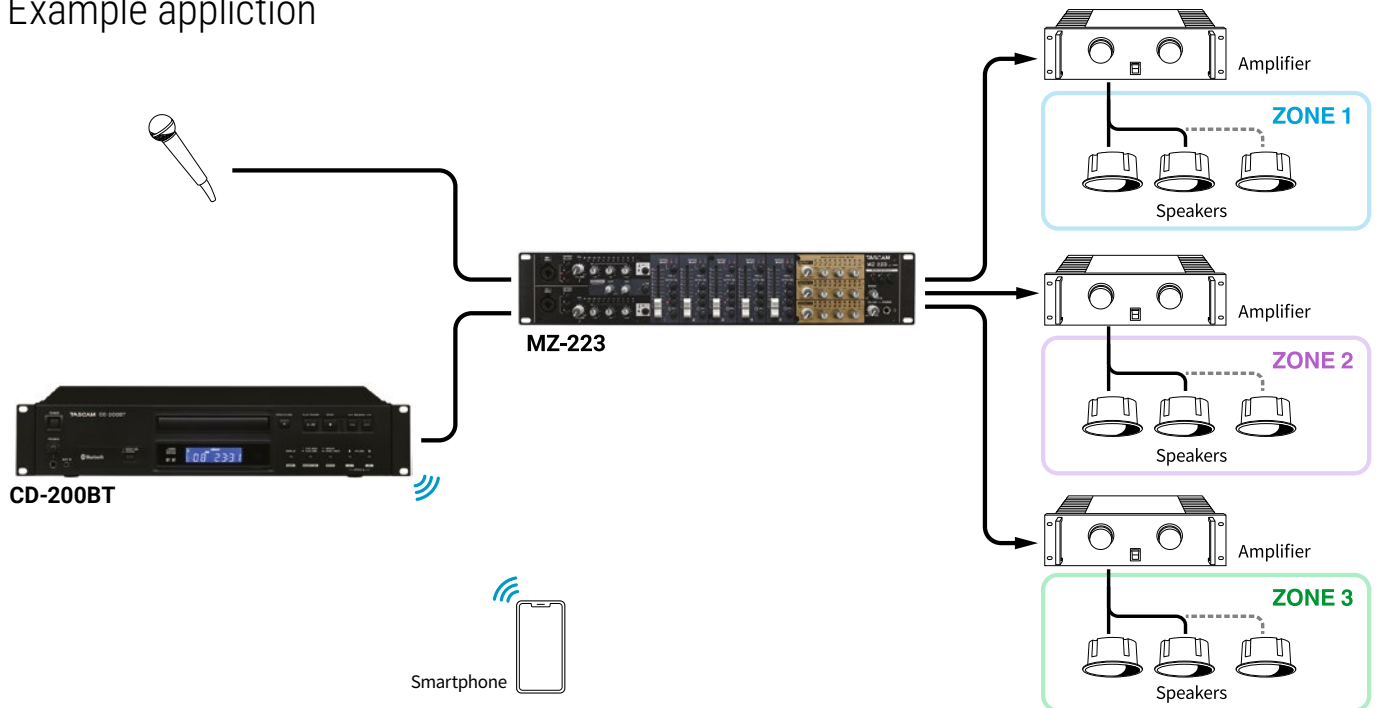






All models in the Tascam CD-200 series employ the same highly-regarded and reliable TEAC-designed CD drive. Because we develop ourselves and include our drives in the players, we have achieved higher quality leading to higher dependability and reputation.

### Example application





## BD-MP4K Professional 4K/UHD Blu-Ray/Multi-Media Player for Touring & Installation

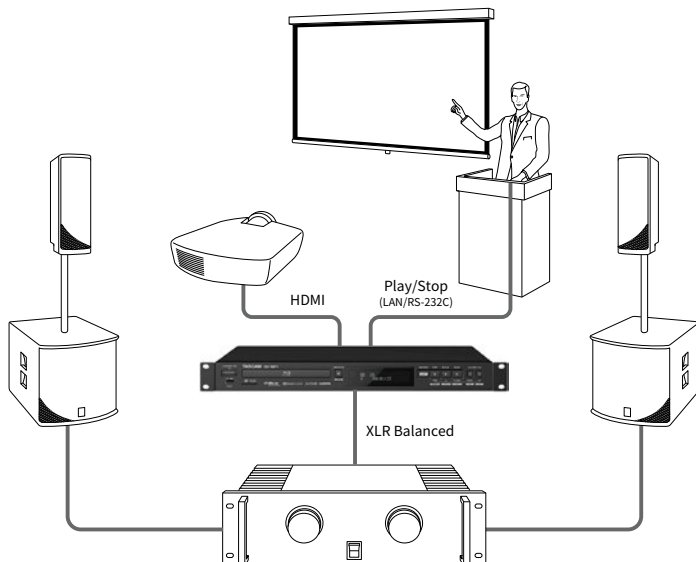


- ▶ **Single-rackspace 4K/UHD Blu-ray, DVD, CD and solid-state player**
- ▶ **Controllable via Ethernet network, RS-232C or wireless remote control**
- ▶ **Plays video and audio material stored on following media: 4K/UHD BD, BD25, BD50, BD-ROM, BD-R, BD-RE, DVD-ROM, DVD+R, DVD-R, DVD+RW, DVD-RW, CD-DA, CD-R, CD-RW, SD cards (up to 512 GB), USB flash media (up to 2 TB)**
- ▶ **Supports exFAT file format and playback of various formats of video, image and audio from SD cards and USB flash memory**
- ▶ **Can access a network Samba share**
- ▶ Comprehensive menu with many detailed settings for image and sound
- ▶ Power-on playback with the following disc media: 4K/UHD BD, BD, DVD, CD-DA
- ▶ Seamless repeat by chapter, title or marked section (A–B)
- ▶ Several lock functions (panel lock, IR remote lock, tray lock)
- ▶ On-screen menu can be hidden
- ▶ Many outputs available (can all be used simultaneously)
- ▶ Up to 40 dB attenuation for audio outputs
- ▶ Built-in power supply with IEC socket and removable mains cable

## BD-MP1 MKII Versatile Single-Rackspace Multi-Media Video Player



- ▶ **Blu-ray, DVD, CD and media player**
- ▶ **Controllable via Ethernet (Telnet), RS-232C or wireless remote control**
- ▶ **Plays video and audio material stored on following media: BD25, BD50, BD-ROM, BD-R, BD-RE, DVD, DVD+R, DVD-R, DVD+RW, DVD-RW, CD, CD-R, CD-RW, USB flash media, SD cards (up to 512 GB)**
- ▶ **Support for a wide range of file formats**
  - ▶ NTSC/PAL conversion, BD-Live function
  - ▶ HDMI high-definition audio/video out, supports HDMI CEC which allows the connected display to be switched on/off in correct order
- ▶ Individual 7.1 surround sound outputs
- ▶ XLR balanced and RCA unbalanced stereo outputs
- ▶ Up to 40 dB attenuation for analogue and digital stereo outputs
- ▶ Coaxial digital audio output (SPDIF, Dolby, DTS)
- ▶ Power-on play (start playback when power comes up)
- ▶ Resume, Repeat and Instant Replay
- ▶ Lock function (panel, tray, or IR remote)
- ▶ Defeatable on-screen information
- ▶ Dimmable front-panel display
- ▶ Infrared remote control included as standard



With their comprehensive feature sets, the BD-MP4K and BD-MP1MKII are suitable for both mobile use and fixed installation. Using Power-on playback combined with the Repeat feature, for example, allows video footage to be played automatically when turning on the building's mains power.

# TASCAM

# Sonicview



 **VIEW**

Visual Interactive Ergonomic Workflow

**NEW!**

## Explore a New Level of Flexibility



**SMPTE ST 2110**



With **Sonicview**, Tascam has created an entirely new line of digital mixing consoles that incorporate the latest technology and make it easy to view and control all of the parameters you want, when you want, with fully customisable touchscreens and user-definable buttons, motorised faders and intuitive control software.

Sonicview recording consoles integrate beautifully with the rest of your system, thanks to built-in Dante networking, a 32-bit/96-kHz multi-channel USB audio interface and plenty of inputs and outputs. No-compromise audio quality and a 54-bit floating-point FPGA mixing engine combines with ample signal processing, an expansion slot for additional connectivity and wireless remote control to make Sonicview mixers the next-generation choice for recording studios, remote recording, touring, installed sound and broadcasting.

## Sonicview 24 Interactive Digital Mixing Station



- ▶ Intuitive operation with three different view modes
- ▶ Three 7-inch colour touchscreens
- ▶ 44 input channels (40 mono, 2 stereo)
- ▶ 22 flexible output buses plus main L/R bus with 31-band graphic EQ
- ▶ 54-bit float-point FPGA mixing engine, 96 kHz sampling rate
- ▶ Ultra-low latency
- ▶ 32-bit/96 kHz A/D & D/A conversion
- ▶ Tascam HDIA mic preamplifiers
- ▶ Built-in Dante interface
- ▶ 32-bit/96 kHz USB audio interface
- ▶ 24 mic/line inputs (up to +32 dBu), 16 XLR line outputs
- ▶ Four multi-effects processors
- ▶ Tascam Sonicview Control software for Windows, macOS and iPadOS
- ▶ Two Tascam expansion slots for 32-track recorder, MADI, AES/EBU and analogue I/O cards
- ▶ Independent operating systems for hardware surface and mixing engine
- ▶ 18 assignable user keys, seven custom fader layers, eight DCA groups
- ▶ 24+1 100-mm motorised faders
- ▶ 24 encoder knobs with colour LEDs
- ▶ 24 channel displays with colour LEDs
- ▶ Built-in USB/SD card recorder/player
- ▶ 8 GPIO inputs and outputs ...

## Sonicview 16 Interactive Digital Mixing Station



- ▶ Intuitive operation with three different view modes
- ▶ Two 7-inch colour touchscreens
- ▶ 44 input channels (40 mono, 2 stereo)
- ▶ 22 flexible output buses plus main L/R bus with 31-band graphic EQ
- ▶ 54-bit float-point FPGA mixing engine, 96 kHz sampling rate
- ▶ Ultra-low latency
- ▶ 32-bit/96 kHz A/D & D/A conversion
- ▶ Tascam HDIA mic preamplifiers
- ▶ Built-in Dante interface
- ▶ 32-bit/96 kHz USB audio interface
- ▶ 16 mic/line inputs (up to +32 dBu), 16 XLR line outputs
- ▶ Four multi-effects processors
- ▶ Tascam Sonicview Control software for Windows, macOS and iPadOS
- ▶ Two Tascam expansion slots for 32-track recorder, MADI, AES/EBU and analogue I/O cards
- ▶ Independent operating systems for hardware surface and mixing engine
- ▶ 18 assignable user keys, seven custom fader layers, eight DCA groups
- ▶ 16+1 100-mm motorised faders
- ▶ 16 encoder knobs with colour LEDs
- ▶ 16 channel displays with colour LEDs
- ▶ Built-in USB/SD card recorder/player
- ▶ 8 GPIO inputs and outputs ...

## SB-16D Dante Stage Box (16-in/16-out)



 Dante®

- ▶ Dante-enabled stage box and interface with 16 analogue audio inputs and outputs
- ▶ Redundant Dante operation using Primary/Secondary lines
- ▶ etherCON-compatible connectors
- ▶ Support for Dante Domain Manager
- ▶ AES67 support allows connection with Ravenna and other compatible audio network technologies
- ▶ Data transfer compliant to SMPTE 2110
- ▶ 16 balanced mic/line inputs (XLR) with switchable phantom power (48 V)
- ▶ 16 balanced line outputs (XLR)
- ▶ Up to 96 kHz sampling frequency at 32-bit resolution
- ▶ Can be positioned on the floor or mounted in a rack (3U)
- ▶ Fully controllable from connected Sonicview mixer
- ▶ Remote control and offline editing using Tascam IO Control software for Windows, macOS and iPadOS
- ▶ Selectable reference level
- ▶ GPIO interface for a total of 16 inputs and outputs when connected to a Sonicview mixer
- ▶ DC input for redundant power supply (DC power supply not included)



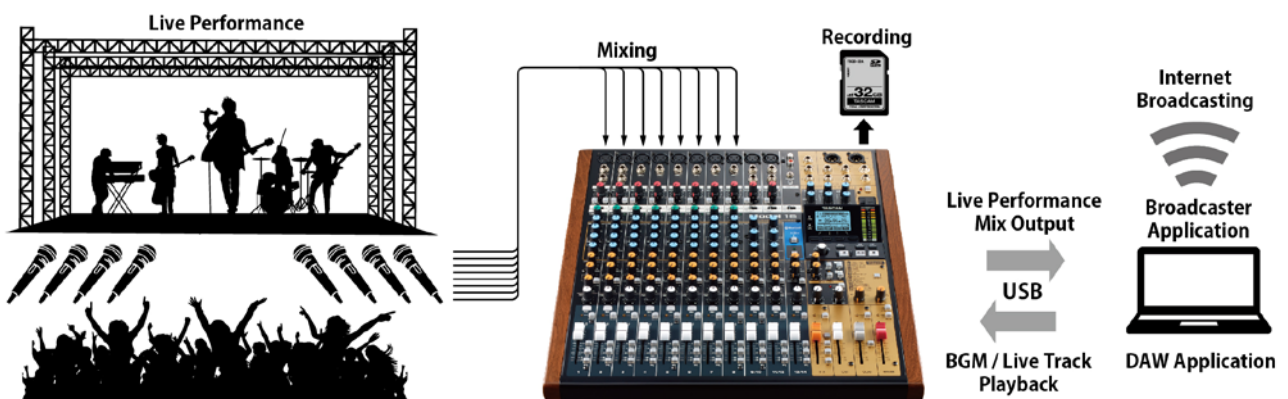


## Tascam Model Series

Starting with the **Model 24**, Tascam has reinvented its legacy, one of its classic lineups, infused with the latest audio technology. Model Series mixers let you directly record to an SD card, 24, 16 or 12 tracks simultaneously in 24 bit / 48 kHz, and punch in/out eight tracks at the same time. You can stream playback audio from your smartphone to the mixer and connect to your DAW via USB.



Whether for meetings, live shows or production, a Model Series mixer is the most ideal true multi-track recorder, mixer and audio interface in a compact, easy to use package.





## Model 24 22-Channel Analogue Mixer With 24-Track Digital Recorder



- ▶ 22 analogue inputs (16 Tascam Ultra-HDDA microphone preamps with switchable phantom power on 12 mono and 4 stereo channels)
- ▶ 1-knob compressor for channels 1–12
- ▶ Up to 24 tracks (22 input channels + stereo mix) can be recorded to SD
- ▶ USB audio interface for use with Mac and Windows computers (24 inputs, 22 outputs)
- ▶ On-board effects processor
- ▶ Large 100-mm faders for precise level adjustments
- ▶ 3-band equalizer with sweepable mids for 12 mono channels, fixed mids on four stereo channels
- ▶ Switchable low-cut filter for 12 mono and 4 stereo channels
- ▶ Switchable Mute, Main/Sub routing and PFL on each channel strip
- ▶ 7-band graphic stereo equalizer – can be used for main stereo bus or aux/monitor bus
- ▶ Built-in Bluetooth receiver for wireless playback
- ▶ Recorder allows overdubbing, punch in/out recording (eight channels maximum) and multi-track playback for advanced live performance
- ▶ Internal power supply with removable power cord

## Model 16 14-Channel Analogue Mixer With 16-Track Digital Recorder



- ▶ 14 analogue inputs (10 Tascam Ultra-HDDA microphone preamps with switchable phantom power on 8 mono and 2 stereo channels)
- ▶ 1-knob compressor for channels 1–8
- ▶ Up to 16 tracks (14 input channels + stereo mix) can be recorded to SD
- ▶ USB audio interface for use with Mac and Windows computers (16 inputs, 14 outputs)
- ▶ On-board effects processor
- ▶ Compact 60-mm faders
- ▶ 3-band equalizer with sweepable mids for 8 mono channels, fixed mids on both stereo channels
- ▶ Switchable low-cut filter for eight mono and two stereo channels
- ▶ Switchable Mute, Main/Sub routing and PFL on each channel strip
- ▶ Semi-parametric EQ with two sweepable mid bands for stereo and sub outputs
- ▶ Built-in Bluetooth receiver for wireless playback
- ▶ Recorder allows overdubbing, punch in/out recording (eight channels maximum) and multi-track playback for advanced live performance
- ▶ Mixer can be rack-mounted using Tascam AK-RM16 rack mounting kit

## Model 12 Mixer / Interface / Recorder / Controller



- ▶ Integrated production suite with 10-channel mixer, 12-track recorder and USB audio interface
- ▶ 10 analogue inputs on 6 mono and 2 stereo channels
- ▶ Single-knob compressor for all input channels
- ▶ Three-band equalizer with sweepable mids for all input channels
- ▶ Switchable low-cut filter per channel
- ▶ Semi-parametric EQ with sweepable mid band for aux or main outputs
- ▶ On-board effects processor with 16 preset effects types
- ▶ Compact 60-mm faders
- ▶ Up to 12 tracks (10 input channels + stereo mix) can be recorded
- ▶ Overdubbing, punch in/out recording
- ▶ Multi-track playback for advanced live performance
- ▶ USB audio interface for use with Mac and Windows computers
- ▶ Transfer to computer: 12 channels (all 10 inputs + stereo mix)
- ▶ Transfer from computer: 10 channels, assignable to each channel input
- ▶ Robust, symmetrical USB Type-C port
- ▶ Simple DAW control support via HUI/MCU protocol emulation
- ▶ MIDI input and output
- ▶ MIDI timecode (MTC) and MIDI clock output with song position pointer (SPP) support
- ▶ Vamp playback function
- ▶ Adjustable time delay for the output signal



## MZ-372 Installation Mixer with Seven Input Channels



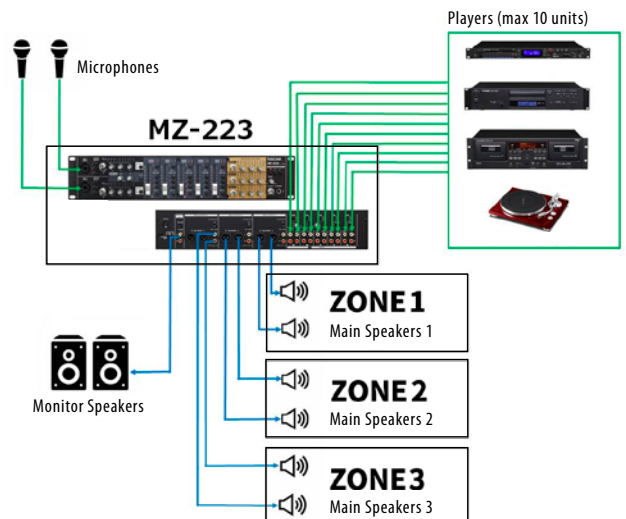
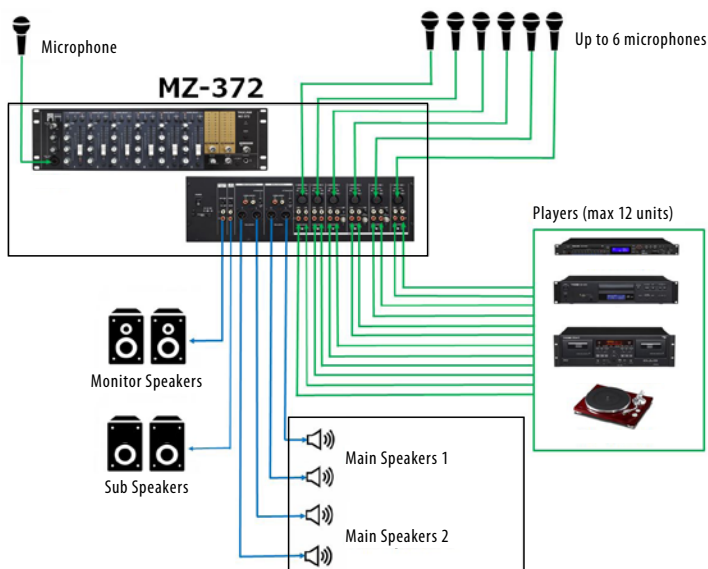
- ▶ Seven input channels and two pairs of main outputs
- ▶ Six mic/line input channels are equipped with gain controls, LED level meters, three-band equalizers and faders
- ▶ Each channel can be set to use one of two RCA unbalanced input pairs or an XLR balanced input
- ▶ XLR inputs are switchable between mic and line level
- ▶ Three channels can be switched to phono for record players
- ▶ Independent front mic input with level control and 2-band equalizer
- ▶ Talkover function automatically lowers background music volume according to mic volume
- ▶ Two main outputs with level control and stereo LED level meters
- ▶ Sub output with level control and mono/stereo selection
- ▶ Headphones output with level control can be used for pre-fader monitoring of selected input channels and the main output
- ▶ Power supply by dedicated AC adapter (PS-M1524), DC 15 V

## MZ-223 3-Zone Installation Mixer



Talkover function on mic inputs for moderation

- ▶ Rackmount mixer that enables input channels to be routed to multiple outputs as desired
- ▶ Five stereo input channels for line signals (two switchable to phono) with gain controls, peak LEDs, and faders
- ▶ Two additional mic input channels with level controls, LED level meters and 3-band equalizers
- ▶ Mic and line inputs can be mixed for output
- ▶ Talkover function automatically lowers background music volume according to mic volume
- ▶ Three zone main outputs with level controls, LED level meters and 3-band equalizers
- ▶ Monitoring output, independent from main outputs
- ▶ Headphones output with level control can be used for pre-fader monitoring of selected input channels and the main output
- ▶ Power supply by dedicated AC adapter (PS-M1524), DC 15 V





## MZ-123BT Compact Multi-Zone Audio Mixer with Bluetooth



- ▶ **Slim rackmount mixer that can flexibly assign background music and mic announcements to three different output zones**
- ▶ **Built-in Bluetooth receiver for wireless audio playback from smartphones or tablets**
- ▶ **Level control, signal and peak indicators for each output zone**
- ▶ Three stereo line inputs (2 × RCA on rear panel, Bluetooth/Aux on front panel, gain controls on rear panel)
- ▶ Two mic inputs with Talkover function, PAD, high-pass filter and 48-volt phantom power
- ▶ Gain and 3-band EQ on rear-panel
- ▶ Mic 1 can also be connected via the front-panel XLR/TRS combo connector
- ▶ Level controls and zone selection buttons on each mic and stereo line input
- ▶ Signal and peak indicators on each mic and stereo line input
- ▶ Bluetooth antenna installed on the front panel to ensure a stable wireless connection within the specified range
- ▶ Headphones output with level control for monitoring the zone outputs



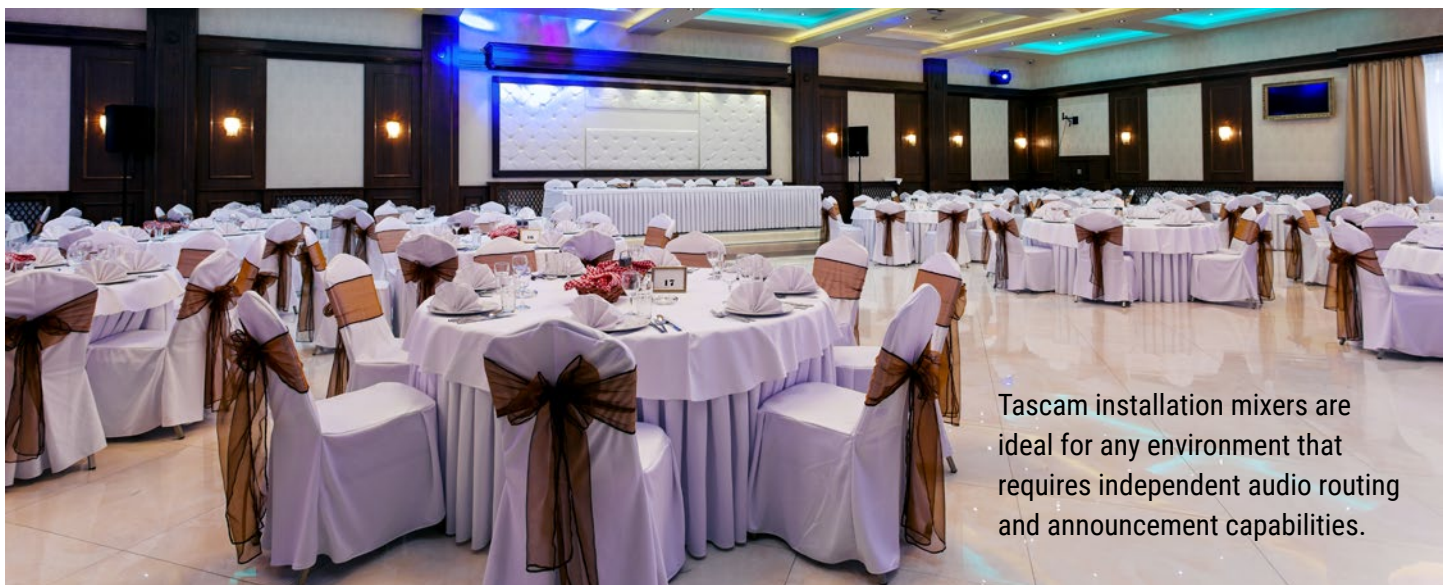
## MA-BT240 240-Watt Mixing Amplifier



Line output for additional power amplifiers

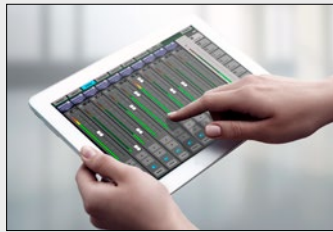
- ▶ **Efficient class-D power amplifier can drive standard loudspeakers (4/8 Ω, 2 × 120 W) or distributed loudspeaker systems (100/70 V, 1 × 240 W)**
- ▶ **Bluetooth receiver for wireless music streaming from portable devices**
- ▶ **Mic/Line input with switchable Ducking/Paging function**
- ▶ **Two line inputs**
- ▶ **Mixing with input level and master level knobs**
- ▶ 2-band EQ and high-pass filter on output allow you to fine-tune the system response
- ▶ Bluetooth antenna can be extended
- ▶ Output can be optimised for any speaker configuration with Mono/Stereo switching (low-impedance mode)
- ▶ Master volume can be adjusted remotely from external controllers (sold separately)
- ▶ Line output allows you to create additional zones by cascading to other power amplifiers
- ▶ Compact 1U half-rack design for convenient placement on desktop or shelf
- ▶ Can be rack mounted with optional kit (AK-RM05, sold separately)

70V / 100V    4 Ω / 8 Ω    Bluetooth®



Tascam installation mixers are ideal for any environment that requires independent audio routing and announcement capabilities.

## MX-8A 8-Channel Matrix Mixer with DSP Processor



MX Connect for access to virtually all settings

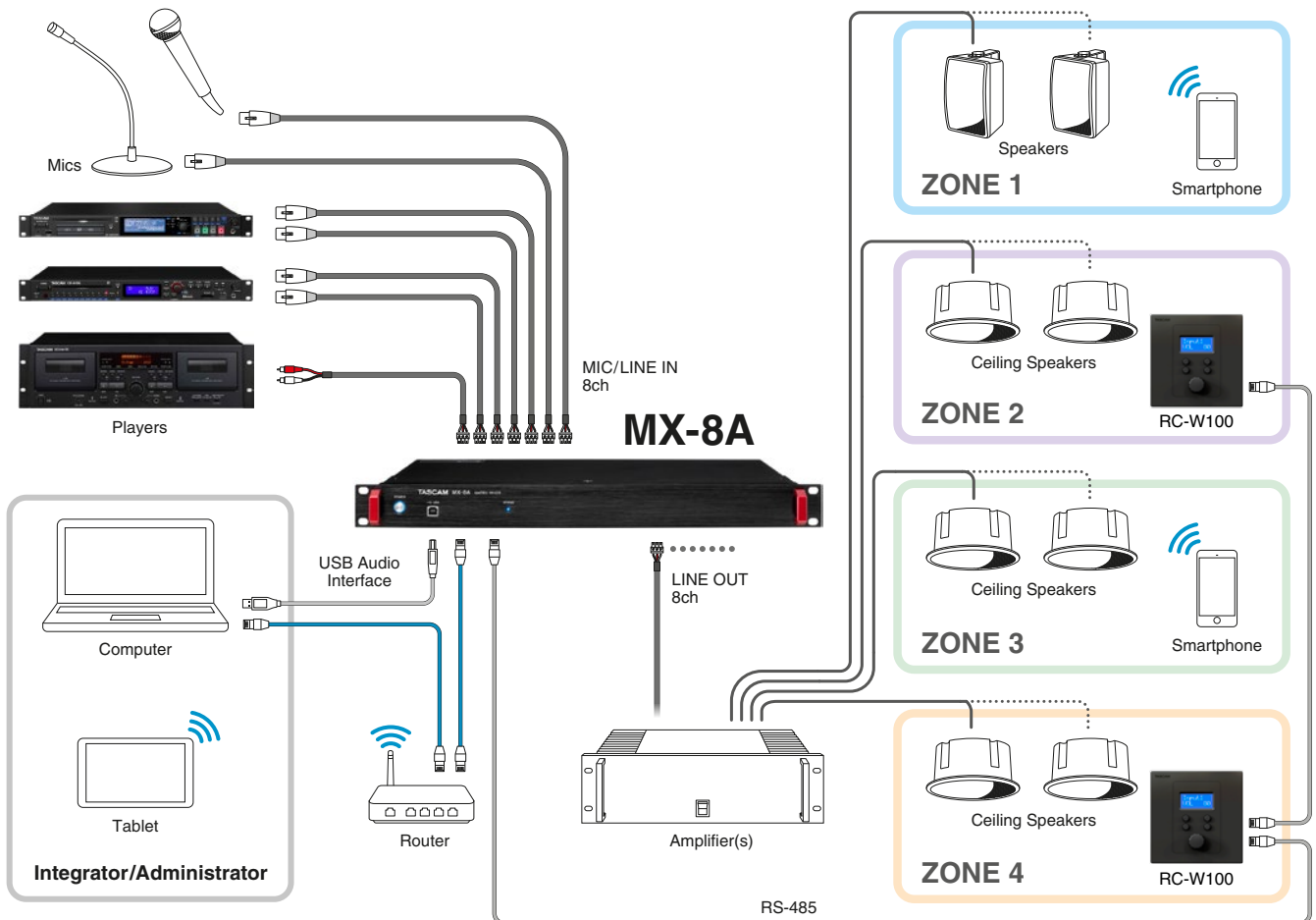


- ▶ **Versatile, software-controlled matrix mixer with eight balanced mic/line inputs and eight balanced line outputs**
- ▶ **Euroblock connectors**
- ▶ **Controllable via Ethernet network (using control software or Tascam Mixer Protocol), RS-485, RS-232C**
- ▶ **USB audio interface mode allows to record audio or play background music with a computer**
- ▶ **High-quality internal power supply**
  - ▶ Five different reference levels available
  - ▶ Input features include: phantom power on/off, phase, sensitivity, trim, automatic level control, 4-band equalizer, mute, fader
- ▶ Mixer features include: Matrix mixer, ducking, ambient noise compensator (ANC), routing
- ▶ Outputs features include: 10-band equalizer, limiter, delay, mute, fader, phase, test tone, grouping
- ▶ Up to 50 scene presets can be saved
- ▶ Timer event function (planned for a future update)
- ▶ Control software available for system integrators (MX Connect) and end users (EZ Connect), compatible with Windows, Mac, iOS and Android devices



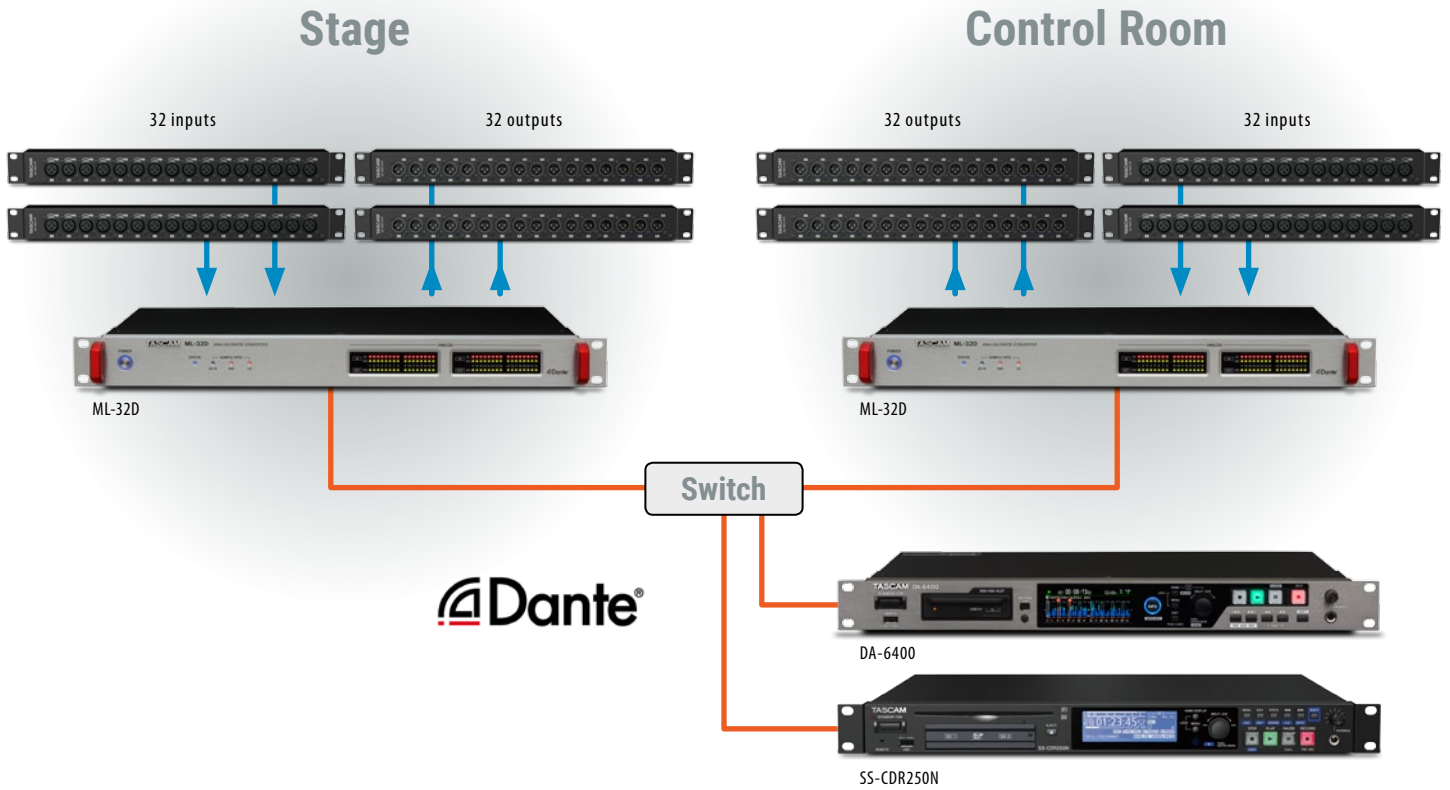
### RC-W100 Wall-Mounted Programmable Controller

- Programmable encoder and four switches for adjusting volume, muting and switching sources
- Clear display shows selected source and volume setting, backlight turns off automatically
- Functions can be assigned to the encoder and the switches using Tascam MX Connect
- Up to 8 units can be daisy-chained by RS-485 (maximum total cable length: 200 m)












# Your Tascam Digital Audio Network



## ML-32D • ML-16D 32/16-Channel Analogue-Dante-Analogue Converters

BO-16DX/IN breakout box (16 XLR inputs)

BO-16DX/OUT breakout box (16 XLR outputs)


BO-32DE breakout box (32 Euroblock inputs or outputs)

- ▶ **Dante interface that allows up to 32 audio channels to be transferred over an Ethernet network**
- ▶ **Two LAN connectors for redundancy**
- ▶ **Flexible routing with "Dante Controller" software**
- ▶ **AES67 support allows connection with Ravenna and other compatible audio network technologies**
- ▶ **Up to 96 kHz sampling rate and 24-bit resolution**
- ▶ Indicators for operation status and current sample rate
- ▶ Overload indicators for analogue input signals
- ▶ Signal indicators for analogue input and output signals
- ▶ Five different reference levels (selectable via rear-side switches)
- ▶ 25-pin D-sub connectors for balanced line inputs/outputs (AES59-2012:TASCAM pin assignment)
- ▶ Euroblock breakout box available for fixed installation (BO-32DE)
- ▶ XLR breakout boxes available for live music or studio applications (BO-16DX/IN, BO-16DX/OUT)
- ▶ High-quality internal power supply




## Tascam Dante Compact Processor Series

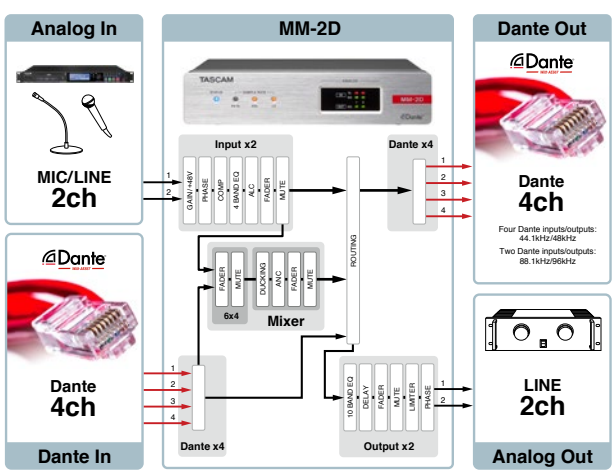
### MM-2D 2-Channel Analogue-Dante-Analogue Converter with DSP Mixer



MM-2D-E with Euroblock connectors





MM-2D-X with XLR connectors



- ▶ **Dante interface that allows two analogue audio signals to be transferred in both directions**
- ▶ **Two LAN connectors for Dante daisy-chaining, AES67 support**
- ▶ **Two balanced mic/line inputs with 48 V phantom power**
- ▶ **Two balanced line outputs**
- ▶ **Four Dante input and output channels at 44.1/48 kHz (two at 88.2/96 kHz)**
- ▶ **Up to 96 kHz / 24 bit**
- ▶ **Flexible routing with Dante Controller and built-in DSP matrix mixer**
- ▶ **Input features:** phantom power, gain, trim, phase, 4-band equalizer, automatic level control, fader, mute
- ▶ **Mixer features:** Matrix mixer, ducking, ambient noise compensator (ANC), routing
- ▶ **Output features:** 10-band equalizer, delay, fader, mute, limiter, phase
- ▶ **Inputs can also be muted by GPI**

- ▶ Output levels can also be controlled by GPI
- ▶ Up to 50 scene presets can be saved
- ▶ Five different reference levels
- ▶ Two types of control software available (compatible with Windows/Mac/iOS/Android devices): DCP Connect for system integrators and EZ Connect for end-users
- ▶ Power supply by PoE (Power over Ethernet) or optional PS-P1220E AC adapter
- ▶ Power daisy-chaining allows two units to be supplied from one AC adapter
- ▶ Attachment brackets included for mounting the unit under a table top, for example
- ▶ Two product variants: MM-2D-E with Euroblock connectors, MM-2D-X with XLR connectors

## MM-4D/IN 4-Channel Analogue-Dante Converter with DSP Mixer

MM-4D/IN-E with Euroblock connectors      MM-4D/IN-X with XLR connectors

**▶ Dante interface that allows four audio signals to be transferred in one direction (analogue input)**

**▶ Two LAN connectors for Dante daisy-chaining, AES67 support**

**▶ Four balanced mic/line inputs with 48 V phantom power**

**▶ Four Dante input/output channels**

**▶ Flexible routing with Dante Controller and built-in DSP matrix mixer**

▶ Input features: phantom power, gain, trim, phase, 4-band equalizer, auto-level control, fader, mute

▶ Inputs can also be muted by GPI

▶ Mixer features: Matrix mixer, ducking, ambient noise compensator (ANC), routing

▶ Up to 50 scene presets can be saved

▶ Five different reference levels

▶ Two types of control software available (compatible with Windows/Mac/iOS/Android devices): DCP Connect for system integrators and EZ Connect for end-users

▶ Power supply by PoE (Power over Ethernet) or optional PS-P1220E AC adapter

▶ Power daisy-chaining allows two units to be supplied from one AC adapter

▶ Attachment brackets included for mounting the unit under a table top, for example

▶ Two product variants: MM-4D/IN-E with Euroblock connectors, MM-4D/IN-X with XLR connectors

## ML-4D/OUT 4-Channel Dante-Analogue Converter with DSP Mixer

ML-4D/OUT-E with Euroblock connectors      ML-4D/OUT-X with XLR connectors

**▶ Dante interface that allows four audio signals to be transferred in one direction (analogue output)**

**▶ Two LAN connectors for Dante daisy-chaining, AES67 support**

**▶ Four Dante input/output channels**

**▶ Four balanced line outputs**

**▶ Flexible routing with Dante Controller and built-in DSP matrix mixer**

▶ Mixer features: Matrix mixer, ducking, ambient noise compensator (ANC), routing

▶ Output features: 10-band equalizer, delay, fader, mute, limiter, phase

▶ Output levels can also be controlled by GPI

▶ Up to 50 scene presets can be saved

▶ Five different reference levels

▶ Two types of control software available (compatible with Windows/Mac/iOS/Android devices): DCP Connect for system integrators and EZ Connect for end-users

▶ Power supply by PoE (Power over Ethernet) or optional PS-P1220E AC adapter

▶ Power daisy-chaining allows two units to be supplied from one AC adapter

▶ Attachment brackets included for mounting the unit under a table top, for example

▶ Two product variants: ML-4D/OUT-E with Euroblock connectors, ML-4D/OUT-X with XLR connectors

## AE-4D 4-Channel AES/EBU-Dante Converter

**▶ Dante interface that allows up to four AES/EBU audio signals to be transferred in both directions**

**▶ Two LAN connectors for Dante daisy-chaining, AES67 support**

**▶ Flexible routing with Dante Controller**

**▶ Up to 96 kHz / 24 bit**

**▶ Two XLR inputs with sample rate converter, two XLR outputs**

▶ Fader and mute settings for each input and output channel

▶ Up to 50 scene presets can be saved

▶ Two types of control software available (compatible with Windows/Mac/iOS/Android devices): DCP Connect for system integrators and EZ Connect for end-users

▶ Power supply by PoE (Power over Ethernet) or optional PS-P1220E AC adapter

▶ Power daisy-chaining allows two units to be supplied from one AC adapter

▶ Attachment brackets included for mounting the unit under a table top, for example





## Stream and Record Audio/Video over IP

Audio and video streaming services have become increasingly popular over the recent years. Because multimedia content has an ever-growing large volume, media storage and transmission costs are still significant. Easy-to-use, no-computer solutions with the latest compression and transmission standards can help contractors and professional broadcasters to keep costs within reasonable limits and still offer the latest quality standards.

VS-R264 and VS-R265 are the entry- and mid-level models in a new range of Tascam ProAV products. They are designed to stream, record, distribute and archive Audio/Video content for education, webinars, YouTube or Facebook live streaming and similar applications. The VS-R264 uses the MPEG4 H.264 video codec for cost-effective Full-HD quality while the VS-R265 offers basically the same functionality but uses the MPEG4 H.265 HEVC video codec for 4K/Ultra-HD quality.

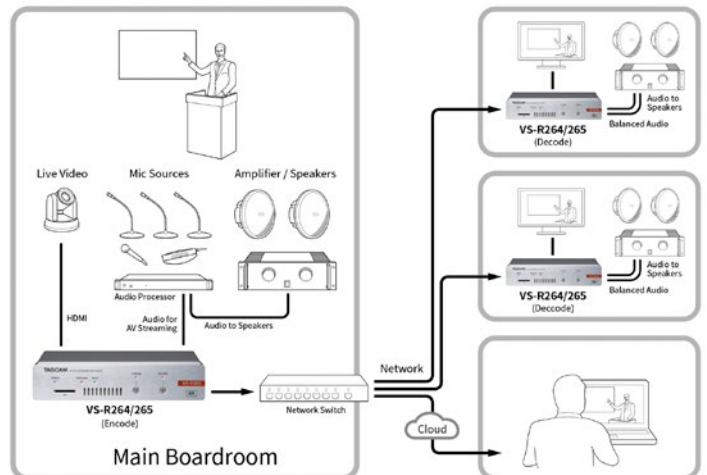
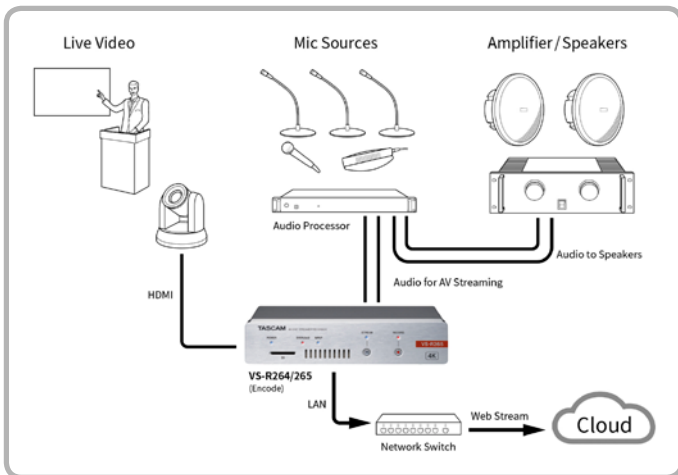
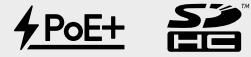


# VS-R264 · VS-R265 Professional Video Encoder/Recorder/Streamer/Decoder



- ▶ **Encode, decode, record and stream in multiple formats – all simultaneously**
- ▶ **Two product variants:**
  - VS-R264 streams Full HD (1920 × 1080p) video signals encoded to H.264 with bit rates up to 30 Mbit/s, decodes streaming video signals to Full HD (VS-R264)
  - VS-R265 streams 4K/UHD (3840 × 2160p) video signals encoded to H.265 which delivers the same video quality as H.264 at half the bit rate, decodes streaming video signals to 4K/UHD
- ▶ **HDMI v1.4 input for cameras and other sources, HDMI output for display devices**
- ▶ **Multiple streaming protocols for major online video platforms\* (RTMP, RTSP, HLS), plus 2 × unicast and multicast in parallel**
- ▶ **Professional audio quality with embedding/de-embedding, balanced I/O, configurable output level and selectable reference level**
- ▶ **Audio from analogue sources can be embedded into the stream or separated from a stream to drive sound reinforcement systems**
- ▶ **Balanced analogue input and output (Euroblock connectors) with configurable audio output level and selectable audio reference level**
- ▶ **Unbalanced audio input and output for consumer equipment (3.5-mm stereo mini jacks)**
- ▶ **Ability to record the video stream directly to SD cards, external video storage on USB 3.0 devices**
- ▶ **Ability to upload files from SD cards or external storage devices to FTP servers**
- ▶ **Easy-to-use web-based remote control application**
- ▶ **RESTful API for integration into control systems in commercial AV installations**
- ▶ **Supports Gigabit Ethernet**
- ▶ **Flexible power supply options:**
  - over the Ethernet connection (PoE+)
  - by an optional AC adapter (Tascam PS-P1220E, sold separately)
- ▶ **Compact half-rack size (1U)**
- ▶ **Included surface mount bracket allows the unit to be easily installed, for example, directly under a desk**

\* Live streaming to DaCast, Facebook, Wowza, YouTube and others



## LM-8ST Line Mixer with Flexible Routing



- ▶ Ideal for conference rooms, sub-mixing applications etc.
- ▶ 8 stereo line inputs plus mic/line input with level control, 2 stereo outputs (balanced/unbalanced)
- ▶ Each stereo input can be assigned to any stereo output
- ▶ Input level for each channel switchable between +4 dBu and -10 dBV (rear panel)
- ▶ Balanced master bus I/O for cascade setups of multiple units

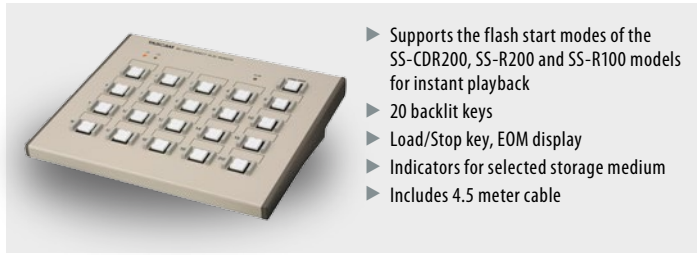
## MH-8 8-Channel Headphones Amplifier



- ▶ Nominal level of XLR connectors switchable between +4 dBu and -20 dBu
- ▶ Front panel trim knobs ( $\pm 12$  dB) and signal indicators for each channel
- ▶ Separate ground lift switches for each channel, master switch, ground connector
- ▶ ADA function (routing of single inputs to multiple outputs)

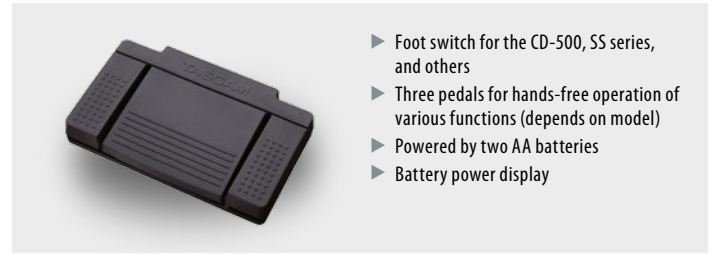


### RC-SS20 Flash Start Remote Control



- ▶ Supports the flash start modes of the SS-CDR200, SS-R200 and SS-R100 models for instant playback
- ▶ 20 backlit keys
- ▶ Load/Stop key, EOM display
- ▶ Indicators for selected storage medium
- ▶ Includes 4.5 meter cable

### RC-3F Foot Switch



- ▶ Foot switch for the CD-500, SS series, and others
- ▶ Three pedals for hands-free operation of various functions (depends on model)
- ▶ Powered by two AA batteries
- ▶ Battery power display

### RC-20 Direct-Play Remote Control



- ▶ For the CD-500, SS series, and others
- ▶ 20 large keys to recall tracks and programme/playlist items
- ▶ STOP/LOAD key
- ▶ CONNECTED indicator

### RC-10 Remote Control



- ▶ Wireless/wired operation
- ▶ 6 keys for transport control and adding marks during recording
- ▶ 4 function keys for control of custom features



RC-SS20



RC-3F



RC-20






RC-10






#### QR codes

In this brochure you will find only part of the available information about each product. The QR codes on these and the following pages will direct you to the relevant product page on the Tascam website. To do this, scan the code with your smartphone or a scanner or webcam connected to your computer.







## Technical Specifications

Features	DA-6400	SS-CDR250N	SS-R250N
Supported storage media	SSD/HDD	CD-DA, CD-RW, 2 × SD, USB	2 × SD, USB
Supported sampling rates	44.1–96 kHz	44.1 kHz, 48 kHz, 96 kHz	44.1 kHz, 48 kHz, 96 kHz
Supported audio file formats	BWF	CD-DA, WAV, MP3	WAV, MP3
Clock synchronization	Word/Video in, interface cards	–	–
Analogue I/O	IF-AN16/OUT <sup>4</sup>	XLR, RCA	XLR, RCA
Digital I/O	AES/EBU <sup>4</sup> , Madi <sup>4</sup> , Dante <sup>2,4</sup>	AES/EBU, SPDIF (c), Dante <sup>4</sup>	AES/EBU, SPDIF (c), Dante <sup>4</sup>
Headphones output	2 × 45 mW	2 × 45 mW	2 × 45 mW
Frequency response <sup>1</sup>	20 Hz – 40 kHz (+0.1/–1 dB)	20 Hz – 40 kHz (+0.5/–3 dB)	20 Hz – 40 kHz (+0.5/–3 dB)
Distortion (THD+N, 1 kHz) <sup>1</sup>	≤0.001 %	0.002 %	0.002 %
Signal-to-noise ratio <sup>1</sup>	≥110 dB	≥106 dB	≥106 dB
Cascadable	no	yes	yes
Control options	RS-422, Parallel, Telnet, VNC	CR <sup>4</sup> , RS-232C, Parallel, Telnet, iOS/Android App	CR <sup>4</sup> , RS-232C, Parallel, Telnet, iOS/Android App
Further information (Manuals, Updates, etc.)			

Features	CD-RW900SX	CD-6010	CD-400U <sup>DAB</sup>	CD-200SB	CD-200BT
Supported media	CD-DA, CD-R, CD-RW	CD-DA, CD-RW	CD-DA, CD-R, CD-RW, SD, USB	CD-DA, CD-R, CD-RW, SD, USB	CD-DA, CD-R, CD-RW
Supported sampling rates	44.1 kHz <sup>5</sup>	32–48 kHz	44.1 kHz, 48 kHz	32–48 kHz	32–48 kHz
Supported audio file formats	CD-DA, MP3 (playback only)	CD-DA, WAV, MP3	CD-DA, WAV, MP3, WMA, AAC	CD-DA, WAV, MP3, MP2, AAC, WMA	CD-DA, WAV, MP3, MP2
Analogue I/O	RCA	XLR, RCA	XLR, RCA	O: XLR, RCA	O: RCA, E: Mini jack
Digital I/O	SPDIF (c, o)	SPDIF (c), AES/EBU	–	SPDIF (c, o)	SPDIF (c, o)
Wireless	–	–	Bluetooth v4.2, aptX	–	Bluetooth v3.0, aptX
Headphones output	2 × 20 mW	2 × 45 mW	2 × 20 mW	2 × 20 mW	2 × 20 mW
Frequency response <sup>1</sup>	20 Hz – 20 kHz (±0.8 dB)	20 Hz – 20 kHz (±0.5 dB)	20 Hz – 20 kHz (±1 dB)	20 Hz – 20 kHz (±1.5 dB)	20 Hz – 20 kHz (±1 dB)
Distortion (THD+N, 1 kHz) <sup>1</sup>	≤0.008 % (recording) ≤0.006 % (playback)	≤0.005 %	≤0.005 %	<0.01 %	≤0.01 %
Signal-to-noise ratio <sup>1</sup>	95 dB	≥95 dB	≥95 dB	≥90 dB	≥90 dB
Control options	IR <sup>3</sup> , CK	IR <sup>3</sup> , RS-232C, Parallel, Cascadable	IR <sup>3</sup> , RS-232C	IR <sup>3</sup>	IR <sup>3</sup>
Further information (manuals, updates, etc.)					

**Legend:** c: coaxial o: optical IR: Infrared remote control CR: Cable remote control CK: Computer keyboard  
<sup>1</sup>best value at highest resolution <sup>2</sup>others in development <sup>3</sup>included as standard <sup>4</sup>optional <sup>5</sup>via input sample rate converter

Features	CD-200	202 MKVII	BD-MP4K	BD-MP1 MKII
Supported media	CD-DA, CD-R, CD-RW	Cassette (Chrome, Normal)	4K/UHD BD and many other BD, DVD and CD formats, SD, USB	Multiple Blu-ray, DVD and CD formats, SD, USB
Supported sampling rates	32–48 kHz	–	MP3/WMA: 32–48 kHz BD/DVD/USB/SD: 44.1–192 kHz	MP3/WMA: 32–48 kHz BD/DVD/USB/SD: 44.1–192 kHz
Supported file formats	CD-DA, WAV, MP3	–	Multiple file formats for audio, video and still images	Multiple file formats for audio, video and still images
Analogue I/O	0: RCA	RCA	0: XLR, RCA (ST, 7.1)	0: XLR, RCA (ST, 7.1)
Digital outputs	SPDIF (c, o)	USB	HDMI 2.0, HDMI 1.4, SPDIF (c)	HDMI, SPDIF (c)
Headphones output	2 × 20 mW	2 × 15 mW	–	–
Frequency response <sup>1</sup>	20 Hz – 20 kHz (±1.5 dB)	30 Hz – 15 kHz (±4 dB, chrome)	20 Hz – 20 kHz (±0.5 dB)	20 Hz – 20 kHz (±0.5 dB)
Distortion (THD+N, 1 kHz) <sup>1</sup>	≤0.01 %	–	< 0.03 %	< 0.03 %
Signal-to-noise ratio <sup>1</sup>	≥90 dB	59 dB	≥96 dB	≥96 dB
Control options	IR <sup>3</sup>	IR <sup>3</sup>	RS-232C, Ethernet (TCP/IP, SMB, CIFS), IR <sup>3</sup>	RS-232C, Telnet, IR <sup>3</sup>
Further information (manuals, updates, etc.)				







**Legend:** c: coaxial o: optical IR: Infrared remote control CR: Cable remote control CK: Computer keyboard  
<sup>1</sup>best value at highest resolution <sup>2</sup>others in development <sup>3</sup>included as standard <sup>4</sup>optional <sup>5</sup>via input sample rate converter

Playback functions overview	SS-CDR250N	SS-R250N	202 MKVII	CD-RW901 MKII	CD-RW900 MKII	CD-6010	CD-400 UDAB	CD-200SB	CD-200BT	CD-200iL	CD-200
Repeat playback	●	●		●	●	●	●	●	●	●	●
A–B repeat	●	●	●	●	●	●	●				
Shuffle playback	●	●		●	●	●	●	●	●	●	●
Program playback	●	●		●	●	●		●	●	●	●
Flash Start	● <sup>2</sup>	● <sup>2</sup>				●					
Locate to audio beginning (Auto Cue)	●	●		●	●	●					
Pause at beginning of next track (Auto Ready)	●	●		●	●	●					
Incremental playback	●	●		●		●	●				
Return to last playback start (Call)	●	●		●		●					
Resume playback after stop	●	●				●	●				
Fade in/out						●					
Ducking	●	●									
Index search/Folder search	● <sup>1</sup>	● <sup>1</sup>		●		●	● <sup>1</sup>	● <sup>1</sup>	● <sup>1</sup>	● <sup>1</sup>	● <sup>1</sup>
Locate by time input	● <sup>3</sup>	● <sup>3</sup>	● <sup>5</sup>	●	●						
Jump in time increments	●	●		●		●					
Set/locate marks or cue points	●	●				●					
Frame-accurate search (jog function)	●	●				●	●				
Intro check				●		●		●	●	●	●
Pitch control (change tempo and key)	●	●	●	●	●	●		●	●	●	●
Change only tempo (VSA)	●	●				●					
Change only key	●	●		●	●						
Power-on playback	●	●	●	●	●	●	●				






<sup>1</sup>Folder search only <sup>2</sup>By external control <sup>3</sup>Optional USB keyboard required <sup>4</sup>Cassette only <sup>5</sup>RTZ



## Technical Specifications




Features	ML-32D	ML-16D	ML-2D	MM-4D/IN	ML-4D/OUT	AE-4D
Hardware input channels	32 × Line	16 × Line	2 × Mic/Line	4 × Mic/Line	–	4 (2) × AES/EBU
Hardware output channels	32 × Line	16 × Line	2 × Line	–	4 × Line	4 (2) × AES/EBU
I/O connectors (balanced)	8 × D-sub 25-pin	4 × D-sub 25-pin	4 × XLR (f/m) or 4 × Euroblock	4 × XLR (f) or 4 × Euroblock	4 × XLR (m) or 4 × Euroblock	4 XLR, 2 1000BASE-T
Dante I/O channels	32	16	4	4	4	4
Supported sampling frequencies	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz <sup>2</sup>
Min./max. input level	4 dBu / 24 dBu	4 dBu / 24 dBu	–74 dBu / +26 dBu	–70 dBu / +26 dBu	–	–
Max. output level (selectable)	15/18/20/22/24 dBu	15/18/20/22/24 dBu	15/18/20/22/24 dBu	–	15/18/20/22/24 dBu	–
Frequency response <sup>1</sup>	20 Hz – 40 kHz, +0.1 dB / –0.5 dB	20 Hz – 40 kHz, +0.1 dB / –0.5 dB	20 Hz – 40 kHz, ±0.5 %	20 Hz – 40 kHz, ±0.5 %	20 Hz – 40 kHz, ±0.5 %	–
Distortion (THD+N) <sup>1</sup>	≤0.001 %	≤0.001 %	≤0.005 %	≤0.003 %	≤0.005 %	–
S/N ratio <sup>1</sup>	≥113 dB	≥113 dB	≥105 dB	≥108 dB	≥105 dB	–
Crosstalk <sup>1</sup>	≥115 dB	≥115 dB	≥100 dB	≥100 dB	≥100 dB	–
Control I/O <sup>4</sup>	–	–	GPI (input mute) <sup>5</sup> GPI (output levels)	GPI (input mute) <sup>5</sup>	GPI (output levels)	–
Power supply/consumption	AC 100–240 V, 50/60 Hz, 22 W	AC 100–240 V, 50/60 Hz, 14 W	PoE, 12 V <sup>3</sup> , 6 W	PoE, 12 V <sup>3</sup> , 7.5 W	PoE, 12 V <sup>3</sup> , 7.5 W	PoE, 12 V <sup>3</sup> , 3 W
Further information (manuals, updates, etc.)						

**Legend:** <sup>1</sup>best value at highest resolution <sup>2</sup>input sample rate converter available <sup>3</sup>power daisy-chaining possible <sup>4</sup>Euroblock-equipped models only <sup>5</sup>with LED output




Features	MZ-372	MZ-223	MZ-123BT	MA-BT240	MX-8A
Mono inputs	6 mic/line (XLR)	2 mic/line (XLR/TRS)	2 mic (Euroblock) <sup>5</sup>	1 mic/line (XLR/TRS or Euroblock)	8 mic/line (Euroblock)
Stereo line inputs	12 (3 Phono)	10 (2 Phono)	2 (RCA), 1 mini-TRS / Bluetooth	2 (RCA), Bluetooth	–
Zone outputs	2 (XLR/RCA) <sup>1</sup>	3 (XLR/RCA) <sup>1</sup>	3 (Euroblock)	–	8 (Euroblock)
Other outputs	Sub (RCA) <sup>2</sup> , Mon (RCA) <sup>3</sup>	Mon (RCA) <sup>3</sup>	–	70/100V (240 W) 4/8 Ω (2 × 120 W)	–
Headphones output power	50 mW + 50 mW	50 mW + 50 mW	80 mW + 80 mW	–	–
Frequency response	20 Hz – 20 kHz	20 Hz – 20 kHz	20 Hz – 20 kHz	–	20 Hz – 20 kHz
Distortion (THD+N)	≤0.03%	≤0.03%	≤0.01%	–	<0.005%
S/N ratio	80 dB	80 dB	≥90 dB	–	≥106 dB
Crosstalk attenuation	65 dB	65 dB	≥80 dB	–	≥107 dB
Power supply	AC 100–240 V, 50/60 Hz <sup>4</sup>	AC 100–240 V, 50/60 Hz <sup>4</sup>	AC 100–240 V, 50/60 Hz	AC 100–240 V, 50/60 Hz	AC 100–240 V, 50/60 Hz
Power consumption	35 W	35 W	25 W	18 W (idle)	21 W
Further information (features, manuals, etc.)					

**Legend:** <sup>1</sup> switchable output level <sup>2</sup> switchable mono/stereo <sup>3</sup> switchable with/without mic signal <sup>4</sup> via dedicated AC adapter <sup>5</sup> one switchable to the front XLR/TRS input

## Technical Specifications

Features	Sonicview 24	Sonicview 16	SB-16D
Processing capabilities	52 audio channels / 32 busses	52 audio channels / 32 busses	16 audio channels
Selectable signal sources (at 96/48 kHz)	160/256 maximum	160/256 maximum	80 maximum
Mic/line input connectors (balanced)	24 × XLR	16 × XLR	16 × XLR
Line input connectors (balanced)	–	–	16 × XLR
Line input connectors (unbalanced)	4 × RCA (2 × stereo)	4 × RCA (2 × stereo)	–
Dante (at 96/48 kHz)	32/64	32/64	32/64
Expansion cards (at 96/48 kHz)	2 × 32 / 2 × 64	2 × 32 / 2 × 64	–
USB audio	32	32	–
Built-in player	2 (1 × stereo)	2 (1 × stereo)	–
Oscillator	1	1	–
Talkback	1	1	–
Selectable output targets (at 96/48 kHz)	148/244 maximum	148/244 maximum	–
Line (XLR)	16	16	–
Dante (at 96/48 kHz)	32/64	32/64	–
Expansion cards (at 96/48 kHz)	2 × 32 / 2 × 64	2 × 32 / 2 × 64	–
USB audio	32	32	–
Monitor output (analogue)	2 (1 × stereo)	2 (1 × stereo)	–
Built-in recorder	2 (1 × stereo)	2 (1 × stereo)	–
Analogue insertion points	2 (mic/line inputs 15–16)	2 (mic/line inputs 15–16)	–
Mixing engine	54-bit floating-point, 96 kHz	54-bit floating-point, 96 kHz	–
A/D converters	32 bit, 96 kHz	32 bit, 96 kHz	32 bit, 96 kHz
D/A converters	24 bit, 96 kHz	24 bit, 96 kHz	24 bit, 96 kHz
Control inputs and outputs	8-in/out GPIO (D-sub), Footswitch (TS jack), Ethernet, Word in, Word thru/out (BNC), USB	8-in/out GPIO (D-sub), Footswitch (TS jack), Ethernet, Word in, Word thru/out (BNC), USB	8-in/out GPIO (D-sub)
Equivalent input noise	≤–128 dBu	≤–128 dBu	≤–128 dBu
Frequency response (96 kHz)	20 Hz – 40 kHz: +0 dB, –1 dB (JEITA)	20 Hz – 40 kHz: +0 dB, –1 dB (JEITA)	20 Hz – 40 kHz: +0 dB, –1 dB (JEITA)
Dynamic range	≥108 dB (mic/line in to line out)	≥108 dB (mic/line in to line out)	≥110 dB (mic/line in to Dante out)
Distortion (THD+N)	≤0.002 %	≤0.002 %	≤0.002 %
Crosstalk attenuation	≥–100 dB	≥–100 dB	≥–100 dB
Power supply	AC 100–240 V, 50/60 Hz	AC 100–240 V, 50/60 Hz	AC 100–240 V, 50/60 Hz DC 11 V / 4 A to DC 27 V / 2 A
Power consumption	85 W	65 W	44 W
Dimensions (W × H × D)	691 mm × 228 mm × 554 mm	472 mm × 228 mm × 554 mm	454 mm × 140 mm × 180 mm (feet) 483 mm × 132 mm × 120 mm (rack)
Weight	18 kg	13 kg	4.5 kg
Further information (manuals, updates, etc.)			



Features	Model 24	Model 16	Model 12
Mic input connectors (balanced)	16 × XLR	10 × XLR	8 × XLR
Line input connectors (balanced)	20 × TRS	12 × TRS	10 × TRS
Line input connectors (unbalanced)	2 × RCA (stereo pair), 1 × stereo mini-jack	2 × RCA (stereo pair), 1 × stereo mini-jack	1 × TRRS (ch. 9/10)
Instrument inputs	–	Ch. 1 and 2	Ch. 1–6, 7, 9
Insert connectors (unbalanced)	2 × TRS (ch. 1/2, send/return)	2 × TRS (ch. 1/2, send/return)	2 × TRS (ch. 1/2, send/return)
Line output connectors (balanced)	2 × XLR (Main)	2 × XLR (Main)	2 × XLR (Main)
Line output connectors (unbalanced)	SUB OUT (L/R), FX OUT, MONITOR 1, MONITOR 2, CONTROL ROOM (L/R)	SUB OUT (L/R), FX OUT, MONITOR 1, MONITOR 2, CONTROL ROOM (L/R)	SUB OUT (L/R), AUX 1, AUX 2
Headphones output	Standard TRS jack 80 mW + 80 mW (32 Ω)	Standard TRS jack 80 mW + 80 mW (32 Ω)	2 × standard TRS jack 45 mW + 45 mW (32 Ω)
Control I/O connectors	1 × TS jack (for RC-1F Footswitch)	1 × TS jack (for RC-1F Footswitch)	1 × TS jack (for RC-1F Footswitch) 1 × TS jack (click output), MIDI I/O
Other connectors	USB Type B (for audio interface connection)	USB Type B (for audio interface connection)	USB Type C (for audio interface connection)
Bluetooth	Version 4.0, Class 2, A2DP, AVRCP 1.0, SBC, AAC	Version 5.0, Class 2, A2DP, AVRCP 1.0, SBC, AAC	Version 5.0, Class 2, A2DP, AVRCP 1.0, SBC, AAC
Recording file format	WAV (BWF)	WAV (BWF)	WAV (BWF)
Equivalent input noise	–128 dBu	–127 dBu	–128 dBu
Frequency response	20 Hz – 30 kHz, +0.5/–1 dB	20 Hz – 30 kHz, +0.5/–1 dB	20 Hz – 20 kHz, +0.3/–0.7 dB
Distortion (THD+N)	≤0.004 %	≤0.004 %	≤0.003 %
Crosstalk attenuation	80 dB	80 dB	95 dB
Power supply	AC 100–240 V, 50/60 Hz	AC 100–240 V, 50/60 Hz	AC adapter (AC 100–240 V, 50/60 Hz)
Power consumption	52 W	40 W	16 W
Dimensions (W × H × D)	577 mm × 106 mm × 529 mm	430 mm × 113 mm × 463 mm	343 mm × 99 mm × 360 mm
Weight	10.4 kg	7 kg	4.3 kg
Further information (manuals, updates, etc.)			

## Don't Miss These Exciting Audio Products

### Portacapture X8 Multi-Track Recorder



- ▶ New-generation high-resolution PCM audio recorder with four XLR inputs
- ▶ 3.5-inch colour touchscreen for easy operation and perfect readability
- ▶ Intuitive launcher system with pre-set configurations for many situations
- ▶ Uncompromised audio quality with sampling rates up to 192 kHz and 32-bit floating point resolution – ideal for later lossless post-editing with DAW software
- ▶ Wireless remote control (optional AK-BT1)

### Portacapture X6 Multi-Track Recorder



- ▶ New-generation high-resolution PCM audio recorder with two XLR inputs
- ▶ 2.4-inch colour touchscreen for easy operation and perfect readability
- ▶ Intuitive launcher system with pre-set configurations for many situations
- ▶ High audio quality with sampling rates up to 96 kHz and 32-bit float
- ▶ Wireless remote control (optional AK-BT1)
- ▶ Built-in USB audio interface (built-in mics can be used as USB audio source)

### DR-40X Portable Four-Track Recorder



- ▶ High-quality handheld recording
- ▶ Compact size and easy operation
- ▶ Records to SD cards (up to 128 GB) in WAV/BWF (up to 96 kHz) or compressed MP3 (up to 320 kbit/s) format
- ▶ Creates two stereo recordings from the built-in and external microphones or two stereo recordings with different level settings from the same mic pair
- ▶ Can be used as a USB audio interface with Mac and Windows computers (2 in, 2 out)

### Mixcast 4 Podcast Recording Console



- ▶ Podcast production or live streaming with up to four people: 4 mic inputs with auto-mix, 4 headphones outputs
- ▶ Invite guests and friends: Mix-Minus to include call-ins with echo-free audio via Bluetooth, USB input or 4-pole TRRS audio cable
- ▶ Sound pads for instant sound triggering and effects
- ▶ Easy and intuitive control using a 5-inch touchscreen

### DR-07X Portable Stereo Recorder



- ▶ High-quality stereo recording
- ▶ Compact size and easy operation
- ▶ Records to SD cards (up to 128 GB) in WAV/BWF (up to 96 kHz) or compressed MP3 (up to 320 kbit/s) format
- ▶ Overwrite, overdub and many other professional recording/play back functions
- ▶ Built-in reverb effect with 6 presets, chromatic tuner function
- ▶ Multi-language menus

### DR-05X The Handheld Recording Workhorse



- ▶ Small size and easy operation
- ▶ Records to SD cards (up to 128 GB) in WAV/BWF (up to 96 kHz) or compressed MP3 (up to 320 kbit/s) format
- ▶ Proven high sound pressure design for capturing sounds of up to 125 dB SPL
- ▶ Three options of automatic level control
- ▶ Variable speed audition, Resume function, built-in loudspeaker and many more
- ▶ Multi-language menus

### DR-10C Micro-Sized Recorder For Lavalier Mics




- ▶ Can be connected between a lavalier microphone and a wireless transmitter to provide a backup recording
- ▶ Records to SD card (up to 32 GB) in BWF or MP3 format
- ▶ Switchable limiter, low-cut filter, auto gain control
- ▶ Hold function prevents accidentally switching off the recorder
- ▶ Headphones output

### DR-10X Mic-Attachable Audio Recorder



- ▶ Compact, lightweight audio recorder that can be attached directly to a dynamic microphone with XLR connector
- ▶ Fastening mechanism for a stable joint between recorder and microphone
- ▶ Records in BWF or MP3 format to SD card (up to 32 GB)
- ▶ Switchable limiter, low-cut filter, auto gain control, dual recording mode
- ▶ Headphones output and playback function allow recorded data to be checked

### DR-10L Pro Mini Recorder With Lavalier Mic



- ▶ Records to microSD card (up to 512 GB) in BWF or MP3 format (up to 24 hours on two AAA lithium batteries)
- ▶ Dual A/D converter, up to 32-bit float
- ▶ Switchable limiter, low-cut filter, auto or manual gain control, auto file closing to prevent data loss
- ▶ Lock function prevents maloperation
- ▶ Headphones output for input monitoring and playback, USB-C for file transfer
- ▶ Optional Bluetooth adapter and app

**NEW!**

### TM-10L Lavalier Microphone With Screw-Lock



- ▶ Lavalier microphone for use with wireless transmitters or mini recorders like the Tascam DR-10 series
- ▶ Ideal to capture clear voice in applications such as theatre, television, lectures, public speaking and other situations where hands-free operation is required
- ▶ Included clip allows attachment to collars, ties or other clothing
- ▶ Screw-lockable 3.5-mm mini-jack
- ▶ Small, unobtrusive body

### TM-90BM Boundary Condenser Microphone




- ▶ Ideal for conferencing with two or more persons, unobtrusive design and colour
- ▶ Half super-cardioid polar pattern
- ▶ Frequency response optimised for speech
- ▶ High sound pressure resistance
- ▶ Switchable low-frequency filter on bottom side (CUT/FLAT/BOOST)
- ▶ Requires phantom power (DC 9–52 V)
- ▶ Dedicated connection cable and carry case included

### TM-95GN Gooseneck Condenser Microphone



- ▶ Ideal for miking a speaker in a conference
- ▶ Uni-directional polar pattern
- ▶ Flexible gooseneck for individual adjustment
- ▶ Includes a stable stand with integrated on/off switch
- ▶ Requires phantom power (DC 48 V)
- ▶ Windscreen to suppress pop noise
- ▶ XLR cable included

### TM-70 Dynamic Speaker's Microphone



- ▶ Dynamic microphone specifically engineered for broadcasting, podcasting and audio streaming
- ▶ Supercardioid directional pattern is ideal to capture single sound sources and is less sensitive to ambient noise
- ▶ Pleasantly warm, realistic sound
- ▶ Robust construction
- ▶ No battery or other power supply required
- ▶ Suspension shockmount, tabletop stand, and cable included

### TM-80 Condenser Microphone



- ▶ Inexpensive microphone suitable for any sound source from vocals to acoustic instruments
- ▶ Internal circuitry optimized to reduce noise and distortion while retaining rich, full sound quality
- ▶ 18-mm, pure aluminum diaphragm
- ▶ Cardioid polar pattern
- ▶ Tabletop stand, XLR cable and elastic shockmount included
- ▶ Available in black and silver

### TM-82 Universal Dynamic Microphone



- ▶ Dynamic allround microphone with a frequency response suitable for vocals and musical instruments
- ▶ Can be used on stage and in project studios
- ▶ Ideal for announcements, presentations, moderation etc.
- ▶ Cardioid pattern prevents feedback
- ▶ Robust design
- ▶ Mic holder with standard screw diameter included

### TH-11 Studio-Grade Headphones



- ▶ Closed-back dynamic design with clean sound, rich bass response and crisp highs
- ▶ Tightly-stitched, padded headband and ear pads for stylish comfort
- ▶ Foldable design for compact storage
- ▶ 3.5-mm (1/8") to 6.3-mm (1/4") adapter
- ▶ 50-mm driver, 32 Ω, 98 dB ± 3dB
- ▶ Frequency response: 18 Hz – 22 kHz
- ▶ Maximum input power: 600 mW
- ▶ Cable length: 3 m (fully extended)

**NEW!**



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