

# TASCAM

## SS-R200

### Solid State Audio Recorder



The SS-R200 is a single-rackspace solid state recorder designed for applications that currently use a cassette, CD or MiniDisc recorder. The SS-R200 records to SD, CF or USB memory in WAV format – or in MP3 format to achieve extended recording times. Solid State technology provides hours of recording to affordable and secure media, and recordings can be transferred quickly to computers for editing, archiving or publishing on the internet.

The SS-R200 is equipped with balanced and unbalanced audio inputs and outputs, SPDIF coaxial digital in and out with sample rate converter, RS-232 serial and parallel control ports, a wired remote control and a computer keyboard input for folder/file naming and remote control. And, of course, users don't need to do without traditional features like pitch control, key control, auto cue, and many more. If you need a CD drive for recording and playback, have a look at the Tascam **SS-CDR200**.

### Main Features

- **(Additional features compared to SS-R100 are marked in red)**
- **Solid state stereo audio recorder**
  - Uses SD, CF or USB memory as recording media
  - No moving mechanism for high reliability
  - Supports WAV and MP3 file recording/playback
- **Remarkable space-saving 1-U rack-mount unit**
- **Ideal for replacement of current cassette deck, CD or MD recorder**
- **Long-term recording for meeting minute recording**
- **Long-term playback and various playback modes for sound installations (all, folder, play lists (up to 3), single, random, repeat)**
- **24-bit WAV file playback**
- **Pitch control ( $\pm 16\%$ ) and key control ( $\pm 6$  semi-tones)**
- **Auto cue, auto ready and call functions**
- **Incremental playback**
- **Resume playback**
- **Mono mix playback**
- **Linked playback (operate two units by one)**
- **Sync recording (automatic recording start by input level)**
- **Switchable compressor (recording only)**
- **Auto or manual track increment**
- **Flash start feature (up to 20 tracks)**
- **Edit functions for WAV files (divide, combine, erase, rename)**
- **ID3 tag and CD-Text display**
- **Sampling rate converter**
- **Dither function**
- **Power-on play (timer function)**
- **Built-in clock for time stamping**
- **Key lock feature**
- **XLR balanced analogue I/O**
- **RCA unbalanced analogue I/O**
- **Coaxial SPDIF digital I/O**
- **D-sub 9-pin RS-232C serial control port**
- **D-sub 25-pin parallel control port**
- **Fader start/stop function**
- **EOM function**
- **Computer keyboard input (PS/2 or USB) for folder/file name editing and remote control**
- **Wired remote control included (5 m)**
- **Available as options:**
  - Footswitch for transport and pitch control (**RC-3F**)
  - Direct play remote control (**RC-20**)
  - **Flash start remote control for instant access to 20 tracks, announcements or effects (RC-SS20)**

### Specifications

<b>Media and file formats</b>	
Recording media	USB memory (512 MB – 64 GB) SD card (512 MB – 2 GB) SDHC card (4–32 GB) CF card (512MB – 64GB, Type I only)
Recording and playback file formats	MP3: 44.1/48 kHz, 64/128/192/256/320 kbps WAV: 44.1/48 kHz, 16-bit, 24-bit (playback only)
Number of channels	2 channels (stereo) 1-channel (mono)

<b>Analogue audio inputs and outputs</b>	
Balanced analogue input*	XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Input impedance	22 k $\Omega$
Nominal input level	+4 dBu (1.23 Vrms)
Maximum input level	+20 dBu (7.75 Vrms)
Minimum input level	-6 dBu (0.39 Vrms) or more (minimum input level adjustable to nominal level)
Unbalanced analogue input	RCA pin jack
Input impedance	22 k $\Omega$
Nominal input level	-10 dBV (0.316 Vrms)
Maximum input level	+6 dBV (2.0 Vrms)
Minimum input level	-20 dBV (0.1 Vrms) or more (minimum input level adjustable to nominal level)
Balanced analogue output*	XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Output impedance	100 $\Omega$
Nominal output level	+4 dBu (1.23 Vrms)
Maximum output level	+20 dBu (7.75 Vrms)
Unbalanced analogue output	RCA pin jack
Output impedance	200 $\Omega$
Nominal output level	-10 dBV (0.316 Vrms)
Maximum output level	+6 dBV (2.0 Vrms)
*If you want to change the maximum balanced input and output levels, please contact Tascam customer support.	
Headphones output	6.3-mm stereo jack
Maximum output power	2 × 45 mW (THD 0.1% at 32 $\Omega$ )

<b>Digital audio inputs and outputs</b>	
Digital audio input	RCA pin jack
Formats	IEC60958-3 (SPDIF) and AES3-2003/IEC60958-4 (AES/EBU), detected automatically
Supported input sampling frequencies	32–48 kHz
Digital audio output	RCA pin jack
Formats	IEC60958-3 (SPDIF) and AES3-2003/IEC60958-4 (AES/EBU), switchable

<b>Control inputs and outputs</b>	
Remote connector (REMOTE, for RC-3F and RC-20)	2.5-mm TRS jack
USB port	USB A-type 4-pin
Protocol	USB 2.0 HIGH SPEED (480 Mbps)
Computer keyboard connector	Mini-DIN connector (PS/2)
Remote connector (REMOTE IN, for RC-SS2)	3.5-mm TRS jack
Serial control port	9-pin D-sub
Parallel control port	D-sub 25-pin
Maximum input voltage	+5.5 V
High level minimum input voltage	+3.75 V
Low level maximum input voltage	+1.25 V
Output format	Open drain (withstand voltage 50 V, maximum 50 mA)
Low level maximum output voltage	0.5 V
Maximum supplied current at 5 V	100 mA

<b>Audio performance</b>	
Frequency response	20 Hz – 20 kHz, $\pm$ 0.5 dB
Distortion	0.005% or less
S/N ratio	95 dB or more
Dynamic range	95 dB
Channel crosstalk	95 dB

Note: All ratings are for performance when recording according to JEITA CP-2150 standards

### Power supply and other specifications

Power supply	AC 100–240 V, 50–60 Hz
Power consumption	20 W
Dimensions (W x H x D)	483 x 45 x 301 mm
Weight	3.4 kg
Operating temperature range	5–35 °C

Design and specifications subject to change without notice.

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