Technical Specifications

Audio Content Creation | Podcasting | Live-Streaming | Recording

Mixcast 4

Recording media: SD cards (64 MB – 2 GB), SDHC cards (4–32 GB), SDXC cards (48–512 GB) | Recording/playback format: WAV (48 kHz, 24 bit, 2-channel stereo) or 14-channel poly (BWF) | Mic inputs 1-4: XLR/TRS combo jacks, Max. input level +10 dBu, Nom. input level –10 dBu | Headset input (TRRS, CTIA standard): 3.5-mm, 4-pole mini jack, Max. input level +4 dBV, Nom. input level –16 dBV | Line input (TRRS, CTIA standard): 3.5-mm, 4-pole mini jack, Max. input level +8 dBV, Nom. input level –12 dBV | Line inputs L/R (balanced): 6.3-mm standard TRS jacks, Max. input level +24 dBu, Nom. input level +4 dBu | Phones outputs 1-4: 6.3-mm standard stereo jacks, Max. output power 45 mW + 45 mW | Headset output (TRRS): 3.5-mm, 4-pole mini jack | Line output (TRRS, CTIA standard): 3.5-mm, 4-pole mini jack, Max. output level –25 dBu, Nom. output level –45 dBu | Monitor output L/R (balanced): 6.3-mm standard TRS jacks, Max. output level +20 dBu, Nom. output level 0 dBu | Line output: 3.5-mm stereo mini jack Max. output level +6 dBV, Nom. output level –14 dBV | USB connector: USB Type-C connector | Equivalent input noise (mic inputs): ≤–125 dBu | Frequency response (mic inputs 1–4): 20 Hz – 20 kHz: ±0.3 dB | S/N ratio (mic inputs 1–4): 101 dB | Distortion (mic inputs 1–4): 0.003 % | Crosstalk: ≥95 dB | Supported Bluetooth profile: A2DP, Bluetooth A2DP codecs: SBC, AAC, Bluetooth A2DP content protection: SCMS-T | Power supply: Dedicated AC adapter (PS-P1220E NUT, DC 12 V) | Power consumption: 12.5 W (maximum) | Weight: 2.55 kg | Dimensions (W × H × D): 375 mm × 57 mm × 264 mm (excluding protrusions)

MiNiSTUDIO US-42B

Sampling frequencies: 44.1/48/88.2/96 kHz, Quantization bit depth: 16/24 bit | Mic inputs 1/2 (balanced): XLR-3-31 or 6.3-mm standard TRS stereo jack, Min. input level –65 dBu, Nom. input level –20 dBu | Instrument inputs 1/2 (unbalanced): 6.3mm standard TS jacks, Max. gain 45 dB | External mic inputs (can provide plug-in power): 3.5-mm 4-pole mini jack or 3.5-mm mini jack, Max. gain 45 dB | External input jack: 3.5-mm stereo mini jack, Max. input level +7.7 dB | Line outputs L/R (unbalanced): RCA pin jacks, Max. output level +6 dBu | Headphones outputs: Standard 6.3-mm stereo jack or 3.5-mm 4-pole mini jack or 3.5-mm stereo mini jack, Max. output power 15 mW + 15 mW | USB connector: 4-pin USB Type B | Power supply (DC IN 5V): USB Type Micro B | Mic preamp EIN (equivalent input noise): –120 dBu or less | Frequency response: 20 Hz – 40 kHz +0/–1 dB | S/N ratio: 100 dB or higher | Distortion: 0.005 % or less | Crosstalk attenuation: 95 dB or more | Power supply: USB bus power or USB power adapter or External battery pack | Power consumption: 2.5 W | Dimensions (H × W × D, without protrusions): 40 mm × 200 mm × 130 mm | Weight: 500 g

Model 12

Recordable audio channels: 12 max. (10 inputs + stereo mix) | Rec file format: WAV (BWF, maximum file size: 2 GB) | Playback formats: WAV (BWF) | Sampling frequencies: 44.1/48 kHz | Bit depth: 16/24 bit | Microphone inputs (CH 1–6, 7/8, 9/10): XLR-3-31, balanced, Max. input level +10 dBu, Nom. input level –8 dBu | Line inputs (CH 1–10): 6.3-mm TRS phone jack, balanced, Max. input level +22 dBu, Nom. input level +4 dBu | Instrument inputs (CH 1–6, 7, 9): 6.3-mm TS phone jack, unbalanced, Nom. input level –4.2 dBV, Max. input level +13.8 dBV | Inserts (CH 1–2): 6.3-mm TRS phone jack | Music/Talk input (CH 9/10): 3.5-mm TRRS mini jack, unbalanced, Max. input level +8 dBV, Nom. input level –10 dBV | Main output: XLR-3-32, balanced | Sub/Aux output: 6.3-mm TRS, balanced, Nom. output level –2 dBu, Max. output level +16 dBu | Phones output 1/2: 6.3-mm stereo phone jack, Max. output power 45 mW + 45 mW (at 32 Ω) | Footswitch connector: 6.3-mm TS phone jack | Residual output noise: –103 dBu | Equivalent input noise (EIN): –128 dBu | Total harmonic distortion (THD+N): <0.003 % | Frequency response: 20 Hz to 20 kHz, +0.1/–0.15 dB | Channel crosstalk: 95 dB | Max. gain: 74 dB (MIC to MAIN OUT) | Power supply: Tascam AC adapter (included) | Power consumption: 16 W | Dimensions (W × D × H, overall): 343 mm × 360 mm × 99 mm | Weight: 4.3 kg

US-HR Series

US-4x4HR Sampling frequencies: 44.1/48/88.2/96/176.4/192 kHz | Quantization bit depth: 24-bit | Mic inputs (balanced): 4 × XLR-3-31 equivalent, Nom. input level –7 dBu, Max. input level +9 dBu | Instrument inputs (unbalanced): 4 × 6.3-mm standard TS stereo jacks, Nom. input level –6 dBV, Max. input level +10 dBV | Line inputs (balanced): 4 × 6.3-mm standard TRS stereo jack, Nom. input level +4 dBu, Max. input level +20 dBu | Line outputs (balanced): 4 × 6.3-mm standard TRS stereo jacks, Nom. output level +4 dBu, Max. output level +20 dBu | Headphones outputs: 2 × 6.3-mm standard stereo jack, Max. output power 45 mW + 45 mW | MIDI IN/OUT connectors: 5-pin DIN | USB connector: 4-pin USB Type C | Mic amp EIN (equivalent input noise): ≤–128 dBu | Frequency response: 20 Hz – 40 kHz, +0 dB/–0.4 dB (96 kHz) | S/N ratio: 110 dB (MIC input), 108 dB (LINE input) | Distortion (THD+N): 0.0013 % (MIC IN), 0.0011 % (LINE IN) | Crosstalk attenuation: ≥95 dB | Power supply: USB bus power or dedicated AC adapter | Power consumption: 2.25 W | External dimensions (W × H × D, including protrusions): 296 mm × 65 mm × 160 mm | Weight: 1.6 kg

Portacapture X8

Recording/playback formats: WAV (BWF) 44.1/48/96/192 kHz, 16/24 bit or 32 bit float, MP3 44.1/48kHz, 128/192/256/320 kbit/s | Input channels: 6 (maximum) | Recording tracks: 8 (6 tracks + stereo mix) | Mic inputs 3–6 (balanced): XLR-3-31 / 6.3-mm TRS, Max. input level +2 dBu, Minimum input level –75 dBu | Line inputs 3–6 (balanced): XLR-3-31 / 6.3-mm TRS, Max. input level +24 dBu, Minimum input level –53 dBu | Mic inputs 1/2 (unbalanced): 3.5-mm mini jacks (support plug-in power), Max. input level +1 dBV, Minimum input level –69 dBV | Line input (EXT IN, unbalanced): 3.5-mm stereo mini jack, Max. input level +10 dBV, Minimum input level –48 dBV | Line output (LINE OUT, unbalanced): 3.5-mm stereo mini jack, Nom. output level –14 dBV, Max. output level +6 dBV | Headphones output: 3.5-mm stereo mini jack, Max. output power 45 mW + 45 mW (THD+N: ≤0.1%, 32 Ω load) | USB port: USB Type-C connector | Frequency response: Fs 48 kHz: 20 Hz – 20 kHz, +0/–0.3 dB, Fs 192 kHz, 20 Hz – 60 kHz, +0.5/–2.5 dB | S/N ratio (20 kHz SPCL LPF, A-weighted): Inputs 1–2 (48 kHz) 101 dB, Inputs 3–6, EXT IN (48 kHz) 102 dB | Total harmonic distortion (THD+N): Inputs 1–2 0.005 %, Inputs 3–6 (LINE IN) 0.008 %, Inputs 3–6 (MIC IN) 0.006 %, EXT IN 0.006 %, LINE OUT 0.007 % | Power supply: 4 AA batteries (alkaline, Ni-MH or lithium-ion), USB bus power from a computer, AC adapter (TASCAM PS-P520U, sold separately) | Power consumption: 7.5 W (maximum) | Display: 3.5-inch full-colour LCD touchscreen | Dimensions (W × H × D): 77 mm × 40 mm × 206 mm (excluding protrusions) | Weight: 472 g (with batteries), 381 g (without batteries)

DR-05X

Number of audio channels: 2 (stereo) | Recording/playback formats: WAV 44.1/48/96 kHz, 16/24 bit, MP3 44.1/48 kHz, 32/64/96/128/192/256/320 kbit/s | External Mic input (can provide plug-in power): 3.5-mm stereo mini jack | Headphones / Line output: 3.5-mm stereo mini jack | Built-in loudspeaker: 0.3 W (mono) | Frequency response: 20 Hz – 20 kHz +0/–1 dB, 20 Hz – 40 kHz +0/–1.5 dB (Fs 96 kHz) | Total harmonic distortion: ≤0.01 % | S/N ratio: ≥94 dB | Power requirements: 2 AA batteries (alkaline or NiMH), USB bus power from a computer, AC adapter (Tascam PS-P520U, sold separately) | Power consumption: 1.7 W (maximum) | Dimensions (W × H × D): 61 mm × 141 mm × 26 mm | Weight: 116 g (without batteries)

TM-250U

Transducer: High-quality condenser capsule, Supercardioid directional pattern | USB connector: USB Type C receptacle | Frequency response: 20 Hz – 20 kHz | Sensitivity: –32 dB (1 kHz) | Max. permissible SPL: 130 dB (1 kHz, 1 % THD) | Quantization bit depth: 16-bit | Sampling frequencies: 44.1 kHz, 48 kHz | ADC distortion (THD+N): 0.01 % | ADC S/N ratio: 89 dB | ADC Dynamic range: 89 dB | DAC distortion (THD+N): 0.005 % | DAC S/N ratio: 96 dB | DAC Dynamic range: 93 dB | Power supply: DC 5 V via USB connection | External dimensions (Ø × L): 65 mm × 204 mm | Weight: 439 g

TM-70

Transducer type: Dynamic | Polar pattern: Supercardioid | Frequency response: 30 Hz to 20 kHz | Sensitivity: –51 dB ±3 dB | Output impedance: 250 Ω | Output connector: 3-pin XLR | Dimensions (L × Ø): 154 mm × 47 mm | Weight: 285 g | Included items: Suspension shock-mount, tabletop stand, cable

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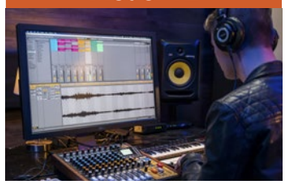
For podcast creation, live streaming, event production or voice over, Mixcast 4 can mix and record mic input with background music, effect sounds and jingles via trigger pads, and external audio input from your phone, PC or Bluetooth device. Together with the Podcast Editor software you get a complete package including waveform editing and multitrack recording for all steps from pre-production to completion.

MiNiSTUDIO US-42B

Pimp your podcast with trigger pads and more

Effects, jingles and many more possibilities
This versatile two-input interface is designed specifically for personal broadcasting and live streaming and comes with a lot of extras such as trigger buttons for sound effects or jingles, DSP processing (EQ, compressor, reverb), ducking (turns down the music when you speak), loopback, headset connection and much more. You can also connect one or two guitars directly.

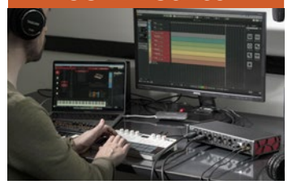
Model 12



Perfectly happy with your own studio

The pro variant with Model 12
Well, you can always have wishes. But this compact production studio contains a lot of finesse that can turn your podcast or your online presentation into a professional broadcast programme. Multitrack recorder, mixer, effects processor, two headphones outputs, Bluetooth … And when live streaming, you can even compensate for the annoying time lag between picture and sound.

US-HR Series



For broadcasts with multiple participants

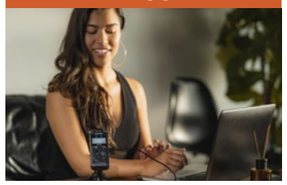
US-1x2HR, US-2x2HR and US-4x4HR
Tascam's high-resolution audio interfaces are ideal for multiple speakers or directly connected instruments, have a loopback function for feeds from the computer and impress with a robust metal housing and clear, natural sound. Simply connect it via USB, select it as input/output in the computer and off you go. A suitable microphone is, for example, the TM-70.

Portacapture X8

Latest technology for high-quality content

Touch-operated multi-track recording with presets
Thanks to its app-like operation via a large colour touch screen, this field recorder can be quickly adapted to the situation at hand to record up to six signals plus a stereo mix with impressive 32-bit floating point resolution and sampling rates up to 192 kHz. Built-in mixer with EQ, dynamic processing and effects, USB mode and optional Bluetooth remote control adapter.

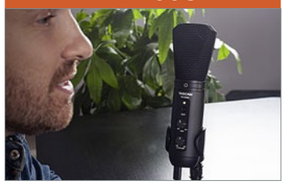
DR-05X



If you want to keep it simple and variable

DR-05X used as a microphone with audio interface
Our best-selling handheld recorder is not only ideal for great audio recordings on the go. You can also connect it to a computer or iOS device and use it as a great-sounding microphone and player with OBS or other streaming software. Best of all, you can also use its headphone output – it offers more than the standard connections of most computers.

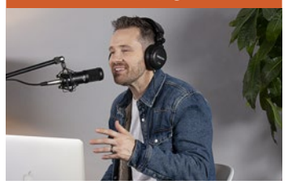
TM-250U



Produce programmes with your computer

TM-250U: USB microphone with headphones output
Connected directly to a PC, tablet or smartphone, this mic not only delivers the realistic, natural sound you want as a speaker in podcasts or livestreams. It also comes with a headphones jack, volume control for both and a mute button – perfect for online seminars or video conferences.

TM-70



Sound like a professional radio host

Impressive voice quality with the TM-70 microphone
It all starts with a good microphone. The TM-70 is specifically designed for use as a speech microphone and can give your voice the same sound you know from radio broadcasts or professional podcasters. With its very linear frequency response, it is also well suited for guitar or other acoustic instruments.

TASCAM