

Spec description

Recording section	
Supported Media	SD (512MB to 2GB), SDHC (4GB to 32GB), SDXC (64GB to 512GB), Class 10 or higher required.
File System	SD card: FAT16, SDHC card: FAT32, SDXC card: exFAT
Recording File Format	WAV(BWF)
Playback Format	WAV, BWF
Sampling Frequency	44.1k / 48k Hz
Bit Depth	16 / 24 bit
Maximum Recordable ChannelNumber	16ch (14ch + 2 stereo mix)
Audio Inputs	
MIC IN	CH1 to 8, 9/10, 11/12
Connector	XLR 3-31 (1: GND, 2: HOT, 3: COLD, Balanced)
Maximum Input Level	+10dBu
Nominal Input Level	-8dBu
Minimum Input Level	-58dBu
Gain Adjustable Range	0 to 50dB
Input Impedance	1.8k ohm
Phantom Power supply	+48V
LINE IN	CH1 to 8, 9/10, 11/12
Connector	1/4" (6.3mm) TRS Phone jack (T: HOT, R: COLD, S: GND, Balanced)
Maximum Input Level	+22dBu
Nominal Input Level	+4dBu
Gain Adjustable Range	-10 to +40 dB: CH 1 to 8, +20 to +30 dB: CH 9/10 and 11/12
Input Impedance	22k ohm
INST IN	CH 1 and 2
Connector	1/4" (6.3mm) TRS Phone jack (T: HOT, R: GND, S: GND, Unbalanced)
Maximum Input Level	+22dBu
Nominal Input Level	+4dBu
Gain Adjustable Range	-10 to +40 dB
Input Impedance	1M ohm

INSERT	CH 1 and 2
Connector	1/4" (6.3mm) TRS Phone jack (T: Send, R: Return, S: GND)
Return (Ring)	
Maximum Input Level	+18dBu
Nominal Input Level	0dBu
Input Impedance	10k ohm
Send (Tip)	
Maximum Output Level	+18dBu
Nominal Output Level	0dBu
Output Impedance	100 ohm
RCA INPUT	
Connector	RCA Pin jack (Unbalanced)
Maximum Input Level	+8dBV
Nominal Input Level	-10dBV
Input Impedance	10k ohm
STEREO INPUT	
Connector	1/8" (3.5mm) Stereo Mini jack (Unbalanced)
Maximum Input Level	+8dBV
Nominal Input Level	-10dBV
Input Impedance	10k ohm
Outputs	
MAIN OUTPUT	
Connector	XLR 3-32 (1: GND, 2: HOT, 3: COLD, Balanced)
Maximum Output Level	+22dBu
Nominal Output Level	+4dBu
Output Impedance	100 ohm
SUB OUT, MONITOR, FX OUT, CONTROL ROOM OUT	
Connector	1/4" (6.3mm) TRS Phone jack (T: HOT, R: COLD, S: GND, Balanced)
Maximum Output Level	+16dBu
Nominal Output Level	-2dBu
Output Impedance	100 ohm

PHONES OUT	
Connector	1/4" (6.3mm) Stereo Phone jack
Output Level	80mW + 80mW (32 ohm loaded)
REMOTE	Compatible with TASCAM RC-1F Foot Switch
Connector	1/4" (6.3mm) TS Phone jack
USB Audio	for connection with PC
Connector	USB B type 4-pin
Format	USB2.0 High-Speed, Mass-storage class/USB Audio Class
Sampling Rate	44.1k / 48k Hz
Bit Depth	16 / 24 bit
Maximum INPUT	16ch
Maximum OUTPUT	16ch
Bluetooth®	
Version	5.0
Output Class	Class 2 (Transmission range: approx. 33 ft. / 10 m) * Transmission range may vary, depending on surroundings.
Supported Profile	A2DP, AVRCP 1.0
Supported A2DP Codecs	SBC, AAC
A2DP Content Protection	SCMS-T
Channel EQ	
Low-Cut	100Hz, -18dB / Octave
Hi-Shelving	+15dB / -15dB, Cut off frequency = 10kHz
Mid	Peaking (MONO): +15dB / -15dB, 100Hz to 8kHz Variable (STEREO): +15dB / -15dB, Center frequency = 600Hz MID Band Q Fix, 0.55
Low-Shelving	+15dB / -15dB, Cut off frequency = 80Hz
Master section EQ	
Hi-Shelving	+15dB / -15dB, Cut off frequency = 10kHz
MID-WIDE	Peaking +15dB / -15dB, 100Hz to 8kHz Variable, Q: 0.5 FIX
MID-NARROW	Peaking +15dB / -15dB, 100Hz to 8kHz Variable, Q: 5 FIX
Low-Shelving	+15dB / -15dB, Cut off frequency = 60Hz
Internal Effects	


Type	1 SMALL HALL / 2 LARGE HALL / 3 SMALL ROOM / 4 LARGE ROOM / 5 PLATE / 6 STUDIO / 7 LIVE / 8 SHORT DELAY / 9 DELAY / 10 PINGPONG / 11 CHORUS / 12 FLANGER / 13 DELAY + S.HALL / 14 DELAY+ L.HALL / 15 CHORUS + S.HALL / 16 CHORUS + L.HALL
Power	AC 100 to 240V, 50/60Hz
Power Consumption	40 W
Dimensions	430(W) × 112.9(H) × 463(D)mm 16.9(W) × 4.45(H) × 18.2(D)inch (including knob height and protrusion)
Weight	7 kg / 15.4 lb
Operating Temperature	5 to 35 °C / 41 to 95 °F
Include Items	AC Cord, Owner's manual (incl. Warranty card)

Audio Performance

Residual Output Noise	-100dBu (MAIN OUT, MAIN fader: MIN)
Equivalent Input Noise	-127dBu (Mono Input Channel, Rs: 150Ω, GAIN knob: Max)
Total Harmonic Distortion	0.01% or less (MIC IN to MAIN OUT, Max input level, +10dBu, 1kHz, GAIN min.) 0.004% or less (MIC IN to MAIN OUT, nominal input level, +4dBu, 1kHz, GAIN min.)
Frequency Response	20Hz to 30kHz (+0.5/-1.0dB: Analog) 20Hz to 20kHz (+0.5/-1.0dB: Digital)
Crosstalk	-80dB, channels / input and output (1kHz, PAN fully counter clockwise / fully clockwise)
Maximum Gain	74dB (MIC→MAIN OUT) 50dB (MIC→INSERT OUT) 74dB (MIC→SUB OUT) 79dB (MIC→CR OUT) 75dB (MIC→MONITOR OUT) 75dB (MIC→FX OUT) 24dB (USB/SD → MAIN OUT) (EQ flatten, PAN fully counter clockwise / fully clockwise)

Supported PC

Windows	
Compatible Computers	Windows-compatible computer with a USB2.0 port
CPU	Dual core / 2GHz or faster
Memory	2GB or more
Driver	

	USB Audio Class 2.0,  ASIO2.0, WDM (MME)
Screen Resolution	1280 × 800 Dots or more
Macintosh	
Compatible Computers	Apple Macintosh computer with a USB2.0 port
CPU	Dual core / 2GHz or faster
Memory	2GB or more
Driver	Core Audio
Screen Resolution	1280 × 800 Dots or more