

DP-32

32-Track Digital Portastudio



The DP-32 is a home recording Portastudio with 32 tracks based on solid-state technology. The unit is equipped with colour LCD and channel strip controls to make recording simple so the user can stay creative. Up to eight tracks can be recorded at a time on a standard SD/SDHC memory card through its XLR and 6.3-mm combo jacks. Input processing like compression and limiting, an internal send effect with reverb, delay and chorus, guitar amp simulation and multi-effects for use with the instrument-level input as well as an external effects send are available during recording. For mixdown, the DP-32 offers 20 channel faders and 12 rotary controls for EQ, Pan and effects including reverb and chorus. During the mastering process, the material can be further optimized with EQ, compression and normalization. Once finished, songs can be written to CD with the built-in CD-RW drive or transferred to computer over USB to publish the songs on the Internet, for example.

Main Features

- **32-track digital Portastudio**
 - 8 mono tracks, 12 stereo tracks (can also be used as mono tracks)
 - Record up to 8 tracks at once with 44.1/48 kHz and 16/24-bit audio resolution
 - Simultaneous playback of all 32 tracks
 - Virtual tracks for alternate takes and undo
 - Dedicated stereo master track
- **Colour LC display and 12-encoder channel strip for simple operation**
- **Built-in 40-channel mixer**
 - Mix down your 32 playback tracks with eight input signals to the dedicated stereo master track
 - Use the Bounce function to set tracks free by mixing multiple tracks to a single mono or stereo track
- **Dedicated controls for EQ, pan and effect sends**
- **Solid-state recording to SD Card media for better shock resistance and reliability compared to hard drive recording**
- **8 balanced microphone inputs on balanced combo XLR/jack connectors**
- **Switchable phantom power for 4 channels each**
- **One input switchable to instrument level for direct recording of a guitar or bass**
- **Unbalanced stereo output (RCA jacks)**
- **Balanced stereo monitor output (6.3-mm TRS jacks)**
- **Two unbalanced effect sends (6.3-mm TS jacks)**
- **Stereo headphones output (6.3-mm TRS jack)**
- **MIDI input and output for MMC, Control Change and MTC output**
- **Footswitch input (2.5-mm mini jack) for Tascam RC-3F (optional accessory)**
- **Input effects (Limiter, Compressor, Noise suppressor, Exciter)**
- **Guitar effects (Amp simulator, Reverb, Compressor, Chorus, Flanger, Phase shifter)**
- **Mixdown effects (Reverb, Delay, Stereo chorus)**
- **Mastering effect (Single/Multi-band stereo compressor, EQ, Noise shaping)**
- **Mark function (up to 99 location marks)**
- **Built-in chromatic tuner and metronome**
- **CD-RW drive for audio CD creation as well as file import and export**
- **USB 2.0 port for data backup/restore and file transfer with a computer**

Specifications

Recording media and file systems

Recording media

SD card (512 MB to 2 GB)
SDHC card (4–32 GB)

File system	SD card (512 MB to 2 GB): FAT16 SDHC card (4–32 GB): FAT32
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Analogue audio inputs and outputs

MIC/LINE INPUTS A–H, XLR (balanced)	
Connector	XLR-3-31 (1: GND, 2: HOT, 3: COLD)
Input impedance	2.4 kOhm
Nominal input level	–14 dBu
Maximum input level	+2 dBu
MIC/LINE INPUTS A–H, phone jack (balanced)	
Connector	6.3-mm TRS phone jack
Input impedance	>22 kOhm or 1 MOhm (INPUT H, when LINE-GUITAR switch is set to GUITAR)
Nominal input level	+4 dBu
Maximum input level	+20 dBu
STEREO OUT L/R connectors	
Connector	RCA pin jack
Nominal output level	–10 dBV
Maximum output level	+6 dBV
Output impedance	200 Ohm
EFFECT SENDS 1/2 connectors	
Connector	6.3-mm TS phone jack
Nominal output level	–10 dBV
Maximum output level	+6 dBV
Output impedance	200 Ohm
MONITOR OUT L/R connectors	
Connector	6.3-mm TRS phone jack
Nominal output level	–2 dBu
Maximum output level	+14 dBu
Output impedance	200 Ohm
PHONES connector	
Connector	6.3-mm TRS phone jack
Maximum output power	70 mW + 70 mW or more (THD + N 0.1% or less, 32 Ohm load)

Other inputs and outputs

MIDI input (MIDI IN)	
Format	DIN 5 pin Standard MIDI format
MIDI output (MIDI OUT)	
Format	DIN 5 pin Standard MIDI format
USB connector	
Format	USB 4-pin mini-B type Mass Storage Class USB 2.0 High Speed
REMOTE connector	
Format	2.5-mm TRS jack Audio performance
Frequency response	20 Hz to 20 kHz, +1/–1 dB (MIC/LINE INPUT to STEREO OUT/EFFECT SENDS/MONITOR OUT)
Distortion	≤0.01 % (MIC/LINE INPUT to STEREO OUT/EFFECT SENDS/MONITOR OUT)
S/N ratio	≥90 dB (MIC/LINE INPUT to STEREO OUT/EFFECT SENDS/MONITOR OUT)

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Operating system requirements

Windows	Pentium 300 MHz or faster 128 MB or more memory
Mac	Power PC, iMac, G3, G4 266 MHz or faster 64 MB or more memory
Recommended USB port	USB 2.0
Recommended USB host controller	Intel chipset
Supported operating systems	Windows XP, Windows Vista, Windows 7 Mac OS X 10.2 or later

Power requirements and other specifications

Power supply	AC adaptor (TASCAM PS-1225L)
Power consumption	12 W (Phantom power on)
Dimensions (Width x Height x Depth, excluding projections)	514 mm x 104 mm x 340 mm
Weight	6.2 kg
Operating temperature	5–35 °C

Design and specifications subject to change without notice.
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