

**80 GIGABYTE
HARD DISK**



The **2488 neo** is the successor of the 2488MkII, by far the most affordable 24-track recording and mixing workstation ever made for home studios.

Eight inputs can be simultaneously recorded into the XLR and jack inputs. Each song can have up to 250 virtual tracks, 24 of which can be chosen for the final mix. A submixer allows to add eight more input channels during mixdown for a total of 32 mixing channels. A further stereo track is provided for recording the pre-master which can then be written directly to an audio CD or exported as a WAV file.

The **2488 neo** has four XLR inputs with switchable phantom power for condenser mics plus four balanced jack inputs one of which can be switched to high impedance for electrical guitars. Each track and input offers 3-band EQ and three effect sends for sound and dynamics variation.

The **2488 neo's** editing functions enables the user to edit their audio tracks with high precision. Sections can be copied and pasted, cut and moved, tracks can be duplicated and up to 999 steps can be undone and redone. Alternative takes allow users to select the best take from multiple takes of a recording session.

And if the memory capacity is not enough for you, you can archive song data on CD or computer and restore it whenever you need.



Recorder

- ▶ 24-track HDD-based multitrack recorder (80 GB)
- ▶ Simultaneous recording of 8 tracks, simultaneous playback of 24 tracks
- ▶ 250 assignable virtual (alternative) tracks per song
- ▶ 2 additional tracks for mastering
- ▶ Powerful editing functions (Copy/Paste, Loop Paste etc.)
- ▶ Flexible Undo/Redo
- ▶ 999 markers plus In/Out/To locate points per song
- ▶ Return To Zero function
- ▶ Manual or automatic punch in/out
- ▶ Rehearsal and multiple take functions: Record a section many times, then choose the best take to insert
- ▶ Repeat playback or recording function
- ▶ Variable pitch (recording and playback, $\pm 6\%$)
- ▶ Slow Speed Audition (50–100%)
- ▶ Waveform view allows to scroll through audio data and set markers or locator points visually

Mixer

- ▶ 24+8-channel digital mixer
- ▶ 8 analogue inputs
- ▶ Digital input (SPDIF)
- ▶ 3-band EQ on all 24 channels and 8 inputs
- ▶ 3 aux sends on all input and track channels
- ▶ Link/solo/mute channels
- ▶ Flexible on-board digital patch bay
- ▶ Quick setup utility
- ▶ Snapshot memory
- ▶ Analogue (RCA) and digital (SPDIF) master outputs
- ▶ TRS quasi-balanced monitor output
- ▶ Headphones output
- ▶ Internal effects and dynamics processors
- ▶ Mastering compressor (single or multi-band)
- ▶ Master equalizer and master noise shaper
- ▶ Chromatic tuner

MIDI

- ▶ MIDI timecode (MTC, Master or Slave)
- ▶ MMC (MIDI Machine Control)
- ▶ MIDI Clock output with SPP (Song Position Pointer)
- ▶ Metronome
- ▶ Import and play Standard MIDI (SMF) files (external sequencer or sound module needed for audio output)

Other features

- ▶ On-board CD-RW drive to burn your mixdown on CD, import/export WAV files, backup your hard drive, play Audio CDs
- ▶ Live Writer function (use the markers to set track increments in continuous material automatically)
- ▶ High-speed USB 2.0 port for backup/restore and SMF/WAV file transfer

2488 neo

Digital Portastudio

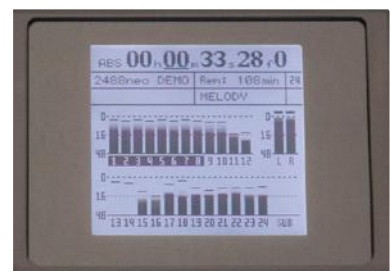
Specifications

Analogue inputs and outputs	
MIC/LINE inputs (A–D)	Combined XLR/6.3-mm TRS connector
Input impedance	XLR: 2 kOhm, TRS: 8 kOhm
Input level	XLR: –57 dBu (MIC) to –10 dBu (LINE) TRS: –43 dBu (MIC) to +4 dBu (LINE)
Nominal input level	XLR: –10 dBu, TRS: +4 dBu
Maximum input level	XLR: +6 dBu, TRS: +20 dBu
MIC/LINE inputs (E–H)	6.3-mm TRS jack
Input impedance	4 kOhm
Input level	–43 dBu (MIC) to +4 dBu (LINE)
Nominal input level	+4 dBu
Maximum input level	+20 dBu
Input H (GUITAR), on front panel	6.3-mm jack (unbalanced)
Input impedance	1 MOhm
Input level	–55 dBu to –8 dBu
STEREO L/R outputs	RCA (unbalanced)
Output impedance	100 Ohm
Nominal output level	–10 dBV
Maximum output level	+6 dBV
EFFECT SENDS 1 and 2	6.3-mm TRS jack (unbalanced)
Output impedance	100 Ohm
Nominal output level	–10 dBV
Maximum output level	+6 dBV
MONITOR L/R outputs	6.3-mm TRS
Output impedance	100 Ohm
Nominal output level	–2 dBV
Maximum output level	+14 dBV
PHONES output	Stereo 6.3-mm jack
Maximum output level	55 mW + 55 mW (into 30 Ohm)

Digital input and output	
DIGITAL input	RCA jack
Data format	IEC60958 Type II (SPDIF)
DIGITAL output	RCA jack
Data format	IEC60958 Type II (SPDIF)

Audio performance	
Sampling frequency	44.1 kHz
Word length	16-bit/24-bit (user-selectable, per song)
Crossfade time	10 ms
Number of tracks, playback/recording	24 simultaneously/ 8 simultaneously
Virtual tracks	250 per song
Frequency response	
INPUTS A to H --> STEREO / EFFECT SEND / MONITOR	20 Hz – 20 kHz +1.0/–1.0 dB (trim at max.)
Noise level (inputs 1500hm terminated, faders at nominal, 20k LPF)	
INPUTS A to H --> STEREO/EFFECT SEND	<90 dB(A)
INPUTS A to H --> MONITOR (trim at min.)	<82 dB(A)
Dynamic range (faders at nominal, 20k LPF)	
INPUTS A to H --> STEREO/EFFECT SEND/MONITOR	>96 dB(A)
Crosstalk (1 kHz, trim at minimum, 1 input at max, faders at nominal, 20k LPF)	
INPUTS A to H --> STEREO/EFFECT SEND/MONITOR	>80 dB(A)
Total Harmonic Distortion (inputs at max., 20k LPF, trim at min.)	
INPUTS A to H --> STEREO/EFFECT SEND/MONITOR	<0.01 %

Power supply and other specifications	
Power requirements	230/240 V AC, 50/60 Hz
Power consumption	41 W
Applicable electromagnetic environment	E4
Dimensions (W x D x H)	545 mm x 355 mm x 145 mm
Weight	8 kg



Large, clear display showing channel levels as well as ABS time, remaining recording time and other information



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