

## PSD450mkII Digital Audio Recorder



The **PSD450mkII** is Superscope's most advanced and easy-to-use portable digital audio recorder to date! The PSD450mkII is a perfect fit for recording and transcription applications found in Business, Government, Law Enforcement, House of Worship, Education, Health Care and wherever professional audio recording is needed. Full features, ease-of-use, and short learning curve make it a perfect fit for both technical and non-technical users.

### Key features include...

Built-in 16GB Solid State Drive (SSD). Also available in a 32GB version (PSD450mkII-32).

Built-in CD Recorder, including Direct to CD Recording, Import CD, and Duplicate CD.

Built-in USB port for direct connection of USB Flash Drive or USB External Hard Drive for direct recording/playback.

Built-in USB port for direct virtual drive connection to PC or MAC computer.

Record simultaneous to Internal SSD and USB flash drive for security and convenience (**Backup Recording**).

**Featuring EZ Guide**, built-in operation guide will take you step-by-step through the most popular operations and settings. Includes step-by-step prompts for the following operations... **Record, Record with a Track/File, Play a Track/File, Import CD, Duplicate CD, Modify and Save File, Copy File to USB, Create/Record Playlist.**

### Solid State Drive (SSD)

Unlike many digital audio recorders, the Superscope mkII uses an internal Solid State Drive (no moving parts), which distinguishes it from traditional electromagnetic disks such as hard disc drives (HDD). SSDs are typically more resistant to physical shock, have faster access time, and are low noise.

### One Touch Record

To save time and for ease of use, set the mkII to One Touch Record and begin recording the moment the user presses the Record key. Press Record Review and the mkII will simultaneously stop recording and start playback of your last recording for instant feedback.

### Long Recording Times

For recording meetings, government proceedings, sermons/church services, conferences, interviews, surveillance, interrogations, lectures, therapy sessions, etc., use the MP3 record setting for long recording sessions.

### Produce Professional Recordings

Select 16 or 24 bit WAV recordings for "studio" quality recordings, or choose MP3 record settings for use on websites, smart phones, mp3 players, or emailing to friends and colleagues. Professional Inputs/Outputs.

### Music Practice Features

Adjustable Key & Tempo, Fine Tuning, Vocal Reduction and A-B Loop settings allow you to control the real-time playback of the original file for music practice and transcription. Sound-on-Sound recording (Overdub), Reverb, ESQ., and Edit will enhance your recordings. Create custom practice lessons for music educators and students and save to SSD, CD or USB. All great features for music teachers, musicians and vocalists.

### All-in-One Portable Recording and Playback

The light weight and small size of the PSD450mkII, along with battery operation, plus built-in microphones and speaker, make the mkII a truly portable recording and playback system. Just grab it and go.

### Hands-Free Operation

Use of the optional latching foot pedal allows for hands free play/play pause or record/record pause. Great for music practice, meeting and business transcription, or performance playback and recording. For even greater control, use the included full feature handheld wireless remote control.

### Large Color Display for Easy Operation and Navigation

The large color LCD display allows for clarity of file names and features and operations as you navigate the mike's many functions. Color coding assists the user in identifying devices and operations during use.

### Quality Plus

The PSD450mkII is manufactured in Japan by our ISO9001 certified manufacturing partner, keeping with the high quality and reliability Superscope has been producing for over **50 years!**

# PSD450mkII Digital Audio Recorder



**Direct to CD Recording  
Import CD  
Duplicate CD**



**Direct to USB  
Recording**



**Professional I/O**



**PC File Transfer**



**USB for PC or Hard Drive**

## Specifications

Number of Recording Channels	2 (stereo)
Recording/Playback Formats	WAV, MP3, CD-DA
	16bit/24bit Recording Format
	MP3 Stereo 64 ~ 320 Kbps
	MP3 Mono 32 ~ 160 Kbps
A/D Conversion	24bit $\Sigma$ -D conversion
D/A Conversion	24bit $\Sigma$ -D conversion
Sampling Rate	44.1KHz
Maximum Recording File Size	2 GB
High-resolution 3.5-inch LCD Color Display	
Power Requirements	15 VDC 1.6A
	AC 100 - 240 V 50/60 Hz Power Supply
	Battery 8 X "AA" Alkaline or Ni-MH
Dimensions	10.5(W) 3.3(H) 7.8(D) in
	269 (W) 81 (H) 202 (D) mm
Weight (without batteries)	4.6 lb / 2.1 Kg
Operating Temperature	5°C to 35°C/41°F to 95°F
Internal Speaker	3.5 cm x1
Internal Microphones	Electret Condenser x2
Phantom Power Supply	48 V 10mA max
USB 2.0 High Speed/Mass Storage Class	

## Audio

Analog to Digital Converter	24 Bit Resolution
Digital to Analog Converter	24 Bit Resolution
Frequency Response	20 Hz to 20 KHz +/- 1 dB
Line Output Level	2.2 Vrms, 300W
Headphone Output Level	30m W, 32 $\Omega$ , 10% THD
Speaker Output Level	2 W, 8 $\Omega$ , 10% THD
Digital Output Level	0.5 Vp-p, 75 W Load

## Input/Outputs

### Mic Level

Input Sensitivity	1.2 mV, 12 K $\Omega$
THD	0.18%
S/N	60 dB A-WTD
Max. Input Level	75 mV RMS (Mic. ATT OFF) 375 mV RMS (Mic. ATT ON)

### Line Level

Input Sensitivity	500 mV, 12 K $\Omega$
THD	0.01%
S/N	92 dB A-WTD
Max. Input Level	4.0 V

### Instrument Level (High Gain)

Input Sensitivity	10 mV, 1 M $\Omega$
THD	0.03%
S/N	72 dB A-WTD
Max. Input Level	670 mV

### Instrument Level (Low Gain)

Input Sensitivity	500 mV, 22 K $\Omega$
THD	0.01%
S/N	92 dB A-WTD
Max. Input Level	3500 mV

### AUX Input

Input Sensitivity	500 mV, 22 K $\Omega$
THD	0.01%
S/N	92 dB A-WTD
Max. Input Level	No Limit