

# WS-811

- High quality WMA/MP3 music playback
- Built-in stereo microphones
- 5 folders for file storage, 200 messages per folder
- Voice activated recording (VCVA)
- Retractable USB connector
- Voice and Noise Filter
- Recording and Playback Scenes



## Smart, portable, versatile

Its design and engineering make the WS range a consummate blend of versatility and functionality, conceived to get the job done no matter whether you're working or playing. At a single glance, it already gets a clear thumbs up - impressing with an ultra-slim body, lightweight build and super-stylish finish. But there is so much more hidden away inside: all WS recorders include music player, calendar search, Scene Select, Index Marks as well as the Noise Cancel feature and offer excellent high-sensitivity stereo sound quality for recording personal notes, meetings or conversations. The WS-811 as an entry-level WS recorder has an ample 2GB memory plus an in-built microSD slot. It also has easily as much memory capacity as you will ever need (more than 500 hours) plus a super handy integrated USB stick to keep life extra-easy.

## Specifications

### Storage Media

Internal / Removable Media	Internal + Removable
microSD / microSDHC card	Yes
Internal memory	2GB

### USB functionality

Direct USB Connection	Yes
USB Speed	USB 2.0 High Speed
USB Classes	USB Composite device USB Audio class USB Storage class USB HID

### Display

Display Type	Full Dot Matrix Display (108 x 84 dots)
Display Backlit	LED (White)
Display Size	27.56 x 23.9mm / 1.43"
Display colour	White

### Device operation

Main Switch	Push
HOLD switch	Yes
Power switch	Yes

### Recording Modes

Recording format	WMA / MP3
STXQ	32h 30min
STHQ	65h 30min
HQ	131h
SP	258h
LP	514h
128 kbps	33h 30min
192 kbps	22h
Maximum Recording Time	529h (WMA 8kbps)

### Playback Modes

Playback format	WMA / WMA (DRM9) / MP3
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### Sampling frequency

STXQ	44.1kHz / 128kbps
STHQ	44.1kHz / 64kbps
HQ	44.1kHz / 32kbps
SP	22kHz / 16kbps
LP	8kHz / 8kbps
MP3	44.1kHz / 128kbps 44.1kHz / 192kbps

### Frequency response

MP3	192kbps / 40 - 19000Hz 128kbps / 40 - 17000Hz
WMA	SXQ / 40 - 19000Hz SHQ / 40 - 16000Hz HQ / 40 - 13000Hz SP / 40 - 8000Hz LP / 40 - 3000Hz

### Record function

Operation	
Index	Up to 99 per file
Auto recording	VCVA (Variable Control Voice Actuator) Voice Sync
Recording Scenes	Meeting Conference Lecture Dictation Speech-Recognition User Defined Setting
Advanced recording	Rec Monitor Low Cut-Filter

## Playback function

Playback control	Playback Speed Control
Playback Scenes	Voice 1, Voice 2, Music 1, Music 2, Music 3
Playback speed	Fast (10 steps Max. x2.0) / Slow (5 steps Min. x0.5)
File operation	Forward / Reverse Skip Fast forward and rewind
File selection	File Playback Folder Playback All Files Playback
Repeat functions	Repeat playback A-B repeat playback
Automatic playback	Random playback
Sound enhancement	Equalizer Noise Cancel

## Data organisation

Erase	Erase single files Erase all files
No. of folders	5
Folder Music	max. 128
Files per folder	200
File move	No
File Copy (Folder to Folder)	No
File Replace	Yes
File divide	Yes (Only MP3 files)
Calendar Search	Yes

## Other Features

FM Radio Tuner & Recorder	No
Beep signal (system sound)	Yes

## Software

Corresponding Audio software	Sonority
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## Interfaces Input

Microphone sensitivity / gain	High / Middle / Low-
PC interface	USB Storage class
Microphone jack	Yes
Microphones	Built-in stereo microphones ( Directional )

## Interfaces Output

Speaker Diameter	Built-in ø 18 mm round dynamic speaker
Max. working output	80mW
Earphone jack	Yes

## Power Supply

Power Supply	Battery: 1 x AAA
Alkaline battery life	Recording: 27h (LP mode) Playback: 30h via earphones

## Dimensions

HxWxD	100.2 x 40 x 14.8mm
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## Languages

Menu languages	JP, EN, FR, DE, IT, ES, RU, PL, BR, CS, SV, NL, DA, CN, TW
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## Hardware Security

Lock single files	Yes
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## Operating Systems & Requirements

Windows	Operating system: Windows XP (SP2 or later), Windows Vista, Windows 7
Macintosh	Operating system: Mac OS X 10.4.11 - 10.7

## Exterior

Housing colour	Silver
Housing material	Plastic