

LS-3 - Specifications



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Classification

| | |
|---------------------|---------------------|
| Product Class | Linear PCM Recorder |
| Mobile / Stationary | mobile |

Storage Media

| | |
|--------------------------|-------------------|
| Internal memory | 4 GB Flash Memory |
| microSD / microSDHC card | Yes |

USB functionality

| | |
|-------------------|--------------------|
| USB Speed | USB 2.0 High Speed |
| USB Storage class | Yes |
| USB Audio class | Yes |
| USB HID | Yes |

Display

| | |
|-----------------|-------------------------|
| Display Type | Full Dot Matrix Display |
| Display Size | 31 x 29.7 mm 1.69 " |
| Display Backlit | Yes |

Device operation

| | |
|-------------|-----|
| HOLD switch | Yes |
|-------------|-----|

Recording Modes

| | |
|------------------|-----------------|
| Recording format | PCM / MP3 / WMA |
| PCM (WAV) format | |
| 96kHz / 24bit | 1 h 45 min |
| 88.2kHz / 24bit | 1 h 55 min |
| 48kHz / 16bit | 5 h 25 min |
| 44.1kHz / 16bit | 5 h 55 min |
| 44.1kHz mono | 11 h 55 min |
| MP3 format | |
| 320 kbps | 26 h |
| 256 kbps | 32 h 30 min |
| 128 kbps (MP3) | 65 h 30 min |
| Mono (MP3) | 131 h |
| WMA format | |
| 128 kbps (WMA) | 64 h |
| 64 kbps | 128 h |
| 32 kbps (WMA) | 257 h |
| WMA (Mono) | 1007 h |

Recording times shown above are approximate values for the 4 GB internal memory. Maximum recording capacity per each file is limited to approx. 4 GB for WMA and MP3 and 2 GB for PCM WAV.

Frequency response

| | |
|-----------------------------|--|
| 96kHz (PCM) | 40 - 44.000 Hz |
| 88.1kHz (PCM) | 40 - 42.000 Hz |
| 48kHz (PCM) | 40 - 23.000 Hz |
| 44.1kHz (PCM) | 40 - 21.000 Hz |
| 320 kbps (MP3) | 40 - 20.000 Hz |
| 256 kbps (MP3) | 40 - 20.000 Hz |
| 128 kbps (MP3) | 40 - 17.000 Hz |
| Mono (MP3) | 40 - 13.000 Hz |
| 128 kbps (WMA) | 40 - 19.000 Hz |
| 64 kbps (WMA) | 40 - 16.000 Hz |
| 32 kbps (WMA) | 40 - 9,000Hz |
| Mono (WMA) | 40 - 3,000 Hz |
| Built-in stereo microphones | 20 - 20.000 Hz (Center Mic = ON) 70 - 20.000 Hz (Center Mic = OFF) |

Record function

| | |
|--------------------------|---------------------|
| Pre-Recording | 2 s |
| Index | Up to 16 per file |
| Partial Erase | Yes (only PCM mode) |
| Erase all files | Yes |
| Erase single files | Yes |
| Erase lock | Yes |
| Rec Monitor | Yes |
| Low Cut-Filter | Yes (2 steps) |
| Zoom Mic. Setting (DVM) | Yes |
| Voice Sync | Yes |
| VCVA recording | Yes |
| Timer recording | Yes |
| Manual Rec level control | Yes |
| Limiter | Yes |
| Compressor | Yes |
| Recording Scenes | 3 settings storable |

Playback function

| | |
|--------------------------|---------------------|
| Noise canceling function | Yes |
| Voice filter | Yes |
| Reverb | Yes |
| EUPHONY | Yes |
| Fast play | Yes |
| Slow Play | Yes |
| Fast forward and rewind | Yes |
| Forward / Reverse Skip | Yes |
| Alarm playback | Yes |
| Gapless Playback | Yes |
| Repeat playback | Yes |
| A-B repeat playback | Yes |
| Random playback | Yes |
| Cue/Review | Yes |
| Intro scan | Yes |
| Playback Scenes | 3 settings storable |

Data organisation

| | |
|---|------------------------------|
| No. of folders for Voice | 5 |
| Folder Music | max. 200 |
| Files per folder | 200 |
| Time/date info | Yes |
| File move | Yes |
| File divide | Yes (Only PCM and MP3 files) |
| File Copy (Folder to Folder) | Yes |
| File copy (internal memory - external memory) | Yes |
| device format | Yes |

Other Features

| | |
|----------------------------|----------------|
| Beep signal (system sound) | Yes |
| Voice guidance | Yes |
| Remote Control | Yes (optional) |
| Tripod socket | 1/4 " |

Software

| | |
|-------------------------------------|----------|
| corresponding Audio software (name) | Sonority |
|-------------------------------------|----------|

Interfaces Input

| | |
|------------------------|--------------------------------------|
| PC interface | USB Cable |
| Microphone jack | 3.5 ø mm mini-jack, impedance 2.2 kΩ |
| Microphone input level | -70 dBv |

Interfaces Output

| | |
|--------------------------|---|
| Earphone jack | 3.5 ø mm mini-jack, impedance 8Ω or more |
| Maximum headphone output | ≤ 150 mV |
| Speaker | 20 mm (mono) / Built-in round dynamic speaker |
| Max. working output | 400 mW (8 Ω speaker) |

Power Supply

| | |
|--|---|
| Max. Battery Life | Alkaline Battery , 44 h Rec. , WMA mono Alkaline Battery , 30 h Rec. , 44.1kHz (PCM) |
| Device standalone recharge function via AC adapter | Yes (optional) |
| Device standalone recharge function via USB | Yes |
| External power supply | USB connecting AC adapter (A-514) |

Power Supply

2 x AAA Batteries

Dimensions

Weight

90 g (incl. batteries)

WxHxD

112 x 39.8 x 15.9 mm (without protrusions)

Housing material

Aluminium

Housing colour

Black

Languages

Menu languages

EN, ES, FR, DE, IT, RU, PL, CS, SV, DK, NL, BR, CN

Operating Systems & Requirements

Windows

Operating system: Windows XP (SP2 or later),
Windows Vista, Windows 7 (Free USB port)

Macintosh

Operating system: Mac OS X 10.4.11 - 10.6 (Free
USB port)