Sound Signage

SD Talker

〔SDT−01〕 **Instruction manual and warranty**

Contents of this product

●Main unit ・・・・・・・1
●AC adapter ・・・・・・1
●Instruction manual ・・1

*This product does not come with an SD card
or dry batteries.
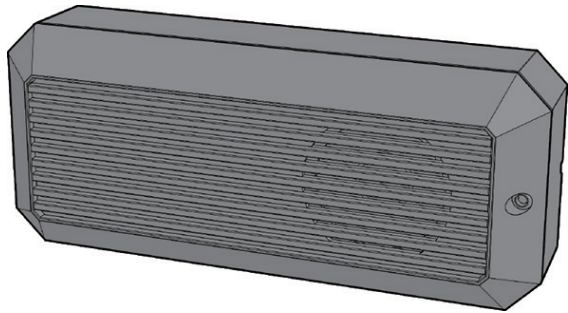
■Safety precautions

(To ensure that you use this product safely,
be sure to observe the following warnings and precautions.)
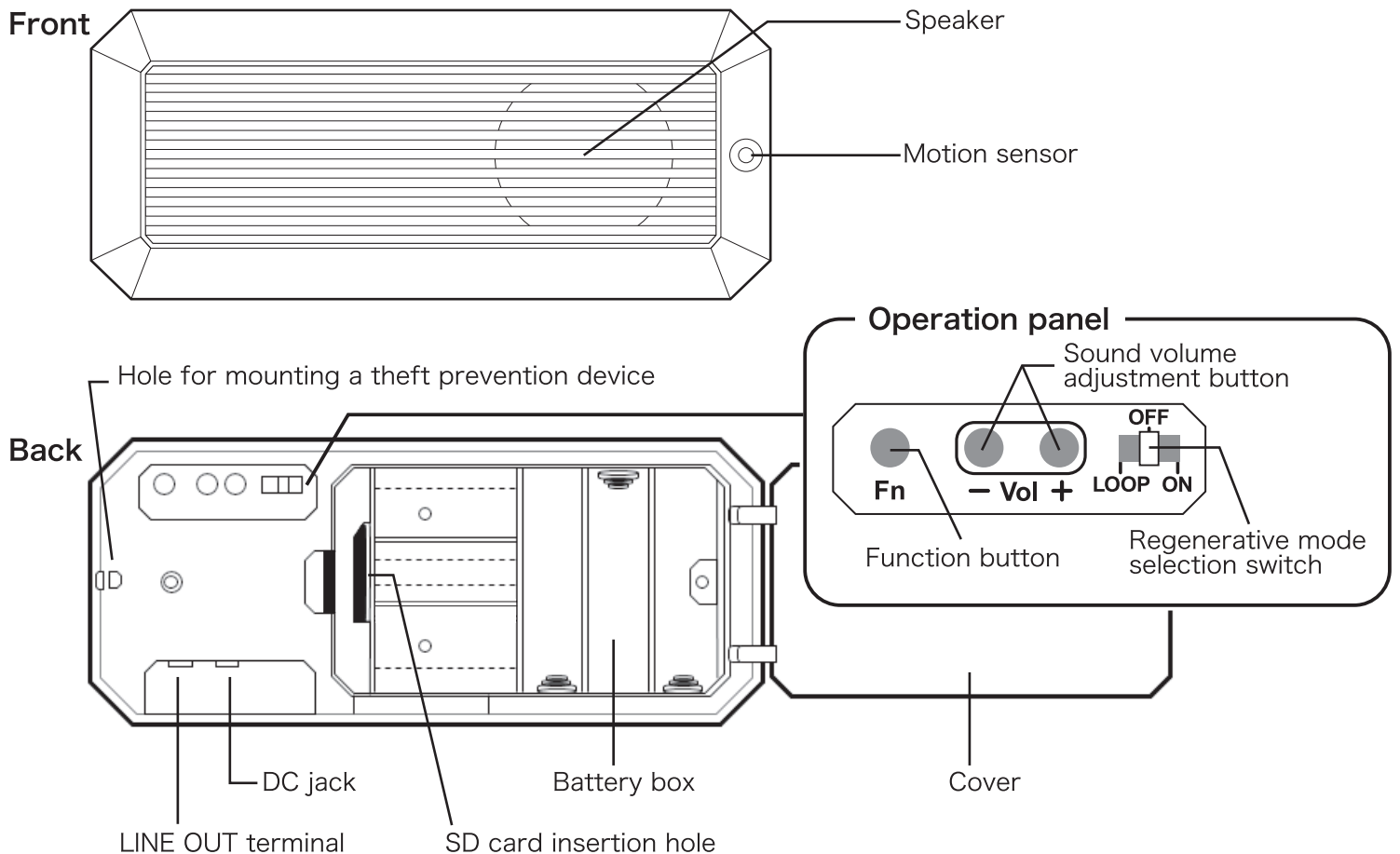
⚠ Warning

- Do not pour water into the main unit or allow foreign matter to enter it.
- Do not touch the AC adapter or the main unit with wet hands.
- Do not pinch the cord of the AC adapter or place items on it.
- Do not cover the AC adapter with a cloth, or the like.
- Do not pull on the main unit while leaving the AC adapter connected.
- Do not shake or raise the main unit while holding the cover alone.
- Do not connect the main unit to an AC adapter other than the one provided.
- If smoke or a strange smell is emitted, stop using the product immediately, and unplug the AC adapter from the wall outlet.
- If you find fluid leaking from the batteries, remove all the batteries from the battery box while wearing gloves or using an implement to prevent your fingers from coming into direct contact with batteries.

⚠ Caution

- Strictly observe the operational temperature / humidity range.
- Do not emit sound from the speaker while holding it near your ear.
- Do not place items on the main unit.
- Do not use this product when the cover is open.
- Do not install the product in a location where there is vibration.
- Do not install the product in a location that is exposed to direct sunlight, or rain and wind.
- Carefully read the instruction manual for the SD card.

■Name of each part

Front

Speaker

Motion sensor

Operation panel

Sound volume adjustment button

OFF

LOOP ON

Fn   − Vol +

Function button

Regenerative mode selection switch

Hole for mounting a theft prevention device

Back

DC jack

LINE OUT terminal

SD card insertion hole

Battery box

Cover

■Preparing an SD card (Checking the audio files)

Confirm that the audio files stored in the SD card have been saved in an appropriate WAV file format.
(The words [Wave sound] are indicated in the "Type" area.)
*If a file was saved using a Mac format, preventing it from being played back, re-format it to [MS-DOS (FAT)] and then use it.

<div align="center">

WAV file format = ○○○○○ .wav

Filename　　Extension
</div>

When there are multiple sound files, they will be played back in the sequence of the sorted filenames.
In the case where there is a preferred sequence for playing back files, you can change the sequence by adding numbers to the beginning of the filenames.

*When adding 2-digit numbers, add zero "0" to the front of each digit as follows: 01, 02, 03 ···

【Examples】
When you wish to change
the playback sequence
From

```
○○○.wav
△△△.wav
□□□.wav
××× .wav
```

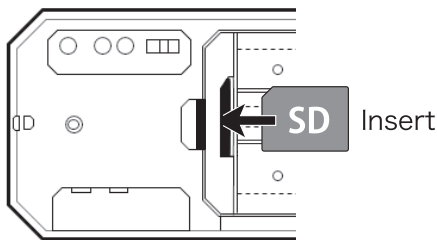**To**

```
×××.wav
□□□.wav
△△△.wav
○○○.wav
```
➡
```
01×××.wav
02□□□.wav
03△△△.wav
04○○○.wav
```

■Basic operations

① Setting an SD card

Insert the SD card in which sound files are stored, into the SD card insertion port.
Check the direction of the card, then insert the card firmly until it locks with a "click."
After inserting the card, be sure to close the cover.

SD　Insert

②-A When using the AC adapter

Connect the cord of the AC adapter provided with this product to the DC jack, and then plug the AC adapter to the wall outlet.

— DC jack　　AC adapter　➡To wall outlet
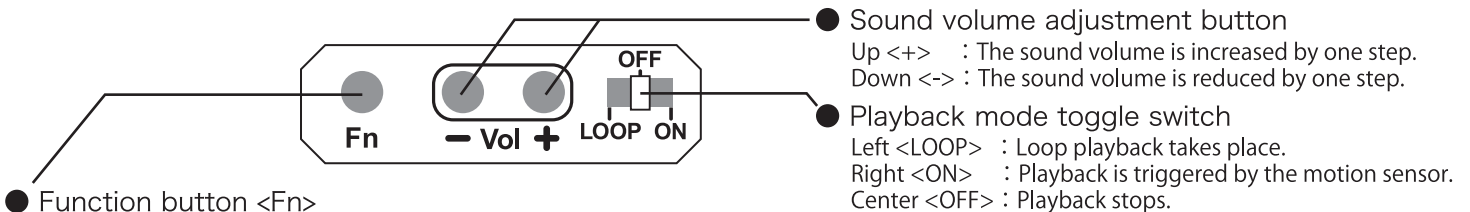Length of cord: Approx. 1.8 m
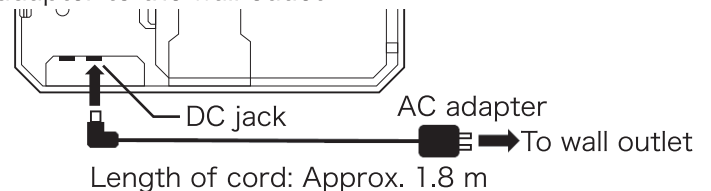
②-B When using batteries

Set three size AA alkaline batteries in the battery box.
Carefully check the (+) and (-) polarity of each battery.
After setting the batteries, be sure to close the cover.

③ Starting playback

When you set the playback mode toggle switch to [LOOP] or [ON], the sound file will be played back.

④ Description of operation of the buttons and switches

OFF
Fn　－ Vol ＋　LOOP ON

● Sound volume adjustment button
Up <+>　　: The sound volume is increased by one step.
Down <->　: The sound volume is reduced by one step.

● Playback mode toggle switch
Left <LOOP>　: Loop playback takes place.
Right <ON>　　: Playback is triggered by the motion sensor.
Center <OFF>　: Playback stops.

● Function button <Fn>

When loop playback is taking place:	Press once.	Playback is paused. (Pressing this button once again causes playback to resume.)
	Press twice.	Playback of the next sound file takes place.
When motion sensor playback is taking place:	Press once.	The next sound file will be prepared.

■Sound playback

Timing of the playback mode

In the case of loop playback, you can play back sound files in the file sequence.
When playing back a file using the motion sensor, you can play back one sound file each time the motion of a person is detected after the end of playback.

Interval time

The interval from when the audio file is played until when the next audio file is played is set. (Initial setting: 1 second)
*You can change various settings by using a personal computer.
For details, please visit <Application Manual> PDF at SD talker product site of our HP (http://www.en.wayo.co.jp/).

■LINE OUT terminal

○By connecting to the LINE OUT terminal at the rear of this product, you can use a commercially available speaker unit. (Mini plug input type)

○ If a sound file is a stereo file, the contents will be output in stereo. If it is a monaural file, the same sound will be emitted from the left and right speakers.
*The built-in speaker is monaural.

○While the plug is inserted into the LINE OUT terminal, no sound is emitted from the built-in speaker.

○It is recommended that you use the AC adapter to supply power to the main unit.

<Example of LINE OUT>

Speaker unit
(commercially available)

Main unit

To LINE OUT terminal

To wall outlet

Mini plug
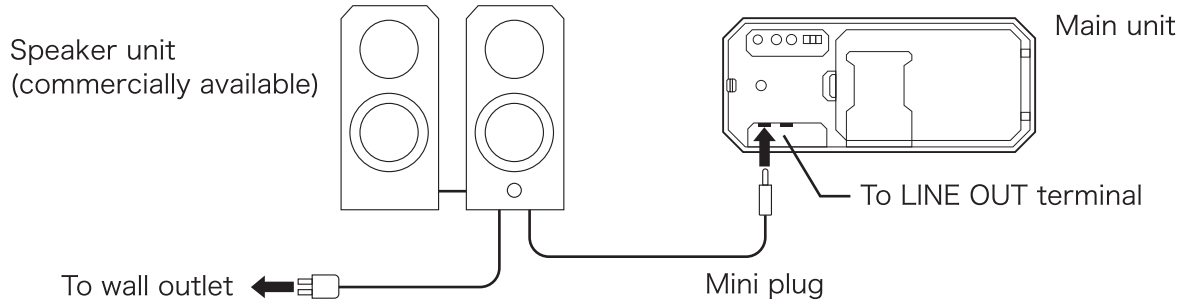
■When you suspect a breakdown

No sound is emitted

- Does the SD card contain sound files (WAV files)?
- Is the SD card firmly inserted to the lock position?
- Is the AC adapter firmly inserted into the main unit?
- Is the AC adapter firmly inserted into the wall outlet?
- Is the battery polarity +/- inserted as instructed?
- Is the plug inserted into the LINE OUT terminal?

Playback starts even when nobody in the location

- When the motion sensor is exposed to blinking light, playback starts. Install the product in a location such that it is not exposed to light of varying intensity.
- In occasion, the motion sensor may respond to flickering of lighting in rare cases. Use the product in a location with no flickering of lighting.

Response of the motion sensor is poor

- This product detects human movement by change of light and dark. In case of clothes with little difference in brightness and darkness on the spot, detection may fail.
- In the dark surroundings, the sensitivity of the motion sensor decreases, so use the product in a bright location.
- When strong light hits the motion sensor, the sensitivity of bright and dark detection may decrease. Install the product in a location that is not exposed to strong light.

The sound is interrupted or stops

- There is a possibility that the Sampling frequency or quantization bit number of the audio file are not compatible with this product.
Check the next section "■ Specification", Change the setting of Sampling frequency and quantization bit number of audio file, and try playback.

■Specifications

Dimensions:······················170 (W) × 72 (H) × 41.5 (D) mm
Weight:······························Approx. 185 g (main unit only)
Sound output:············1.5 W (when the AC adapter is used)
LINE OUT terminal:····························Φ3.5 stereo minijack
Sound volume adjustment:
··············· 32-step button type (+ -) adjustment (2 dB/ Step)
Power source:
············AC adapter 5 VDC, or three size AA alkaline batteries
power consumption:
·········Max. 2 W during operation (0.0004 W during standby)
Sound source file format:············Uncompressed WAV file
Sampling frequency:······································Up to 48 kHz
Number of quantization bits:························8bit／16bit
Applicable media:························SD card / SDHC card
        *Use an SD conversion adapter when using a micro SD card.
FAT format:··FAT16 / FAT32

Playback mode:
······ Switchover [LOOP] Continuous / [ON] Motion sensor
Function button:······[Fn] Playback – Pause – File feed, etc.
Number of files:
······Up to 100 files (playback in the sequence of filenames)
File size:··Up to 4GB per file
Interval:····································Initial setting 1 second
            *The setting can be changed by operating the PC
Motion detection method:
Light sensor (phototransistor, brightness change detection)
Detectable distance:··2 m
Detectable angle:····································+/-40 degrees
Operational temperature range:···············+5℃ ~ +40℃
Operational humidity range:
··························20% ~ 80% (No condensation allowed)

■Product after-sales support service

We offer information concerning this product on our website.

Dedicated URL
https://www.en.wayo.co.jp/product/mechanical/sd-talker/

■Service contents

Instruction manual PDF *this manual
Editing using a PC, changing of settings, and convenient functions <Application Manual> PDF

*The specifications and services of this product are subject to change without prior notice.

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