

FN-ST11 USB Recordable Sound Box for Stuffed Animals

User's Manual

V1.1



1. Features

- ✧ Built in a high quality MP3 player with good sound quality.
- ✧ One push button activation.
- ✧ Supports 6 different playback modes.
- ✧ Set a playback mode and volume level through a config file.
- ✧ Equipped with a 4MB flash memory, which supports to load max. 4 minutes long MP3 files (128Kbps).
- ✧ Update MP3 files via USB on computer.
- ✧ Powered by 3 x AAA batteries.
- ✧ Dimensions: 48mm x 60mm x 26mm

2. Technical Parameters

- ✧ Working voltage: 4.5V (3 x AAA batteries)
- ✧ Working current: $\leq 60\text{mA}$
- ✧ Power Consumption: $\leq 0.5\text{W}$
- ✧ Flash memory size: 4MB
- ✧ Audio format: MP3

3. Operation Guide for Audio Files Updating

3.1. Set volume level and playback mode

The volume level and playback mode need to be set through a config file, which is a TXT file actually. Please refer to the image below about the setting.



There are thirty volume levels from 01 to 30. 01 is the lowest volume level while 30 is the highest one.

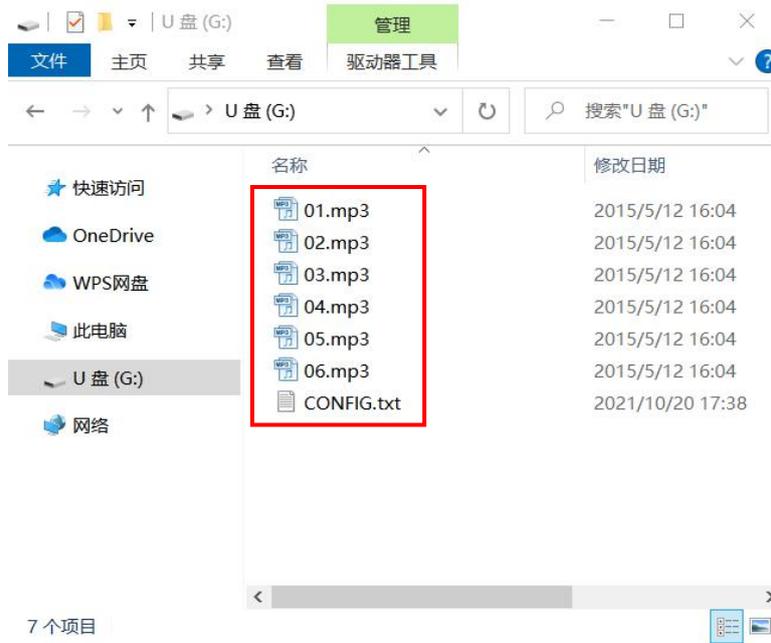
There are six playback modes from 01 to 06. Please refer to the following figure for the details.

| Parameter for IO | Playback Mode |
|------------------|--|
| 01 | Pulse Interruptible |
| 02 | Pulse Non-interruptible |
| 03 | Level hold loop playback (when the button is released, it stops playback immediately) |
| 04 | Level hold loop playback (when the button is released, it won't stop until the track goes to the end) |
| 05 | Play/Pause |
| 06 | Play/Stop |

When the setting is done, the file name needs to be changed to "CONFIG.txt". If there is no config file on the memory, the device will work with the first playback mode "Pulse Interruptible" by default.

3.2. Update audio files

There is a micro USB port on the device, and users can connect it to computer through an Android phone purposed USB data cable to download the audio files and the config file. The device will be detected as a USB flash drive on computer. Delete the pre-loaded audio files for testing purpose at factory, and copy your own audio files as well as the prepared config file onto the flash memory. Please refer to the image below.

**Notes:**

- 1). It's possible to have multiple audio files on the flash memory as above, but the total size of the files can't be larger than the internal flash memory 4MB.
- 2). File name is not required to change. The device will recognize the audio files by physical indexed order.