



MiX Vision ADPLUS 2.0 Customized Audio Alerts (AD Plus2.0)

Introduction

Loading customized audio notifications are now possible via USB flash drive.

Prerequisites

- Supported firmware ADPLUS2.0_V355 or higher
- Veyes app V1.1.4 (V1.1.3 should also work)
- USB Cable, Female USB to male mini-USB.



• USB Flash drive 1GB or larger.

Preparing USB drive

You need to format the USB drive as FAT32.

To manually apply new Audio files, please create the following directories before you copy the files to the USB drive

"upgrade/mp3/host" (all lower-case)

To automatically upgrade. (Without using the Veyes app)

"autoupgrade/mp3/host" (all lower-case)

To upgrade from another unit. (If you have slave devices that requires the audio files, currently not in use by MiX)

"upgrade/mp3/slave"



File name and Format

NB: New files created should be named the same as the "File Name" below.

- Format .WAV
- Channel: Mono
- Sample Rate: 16000 Hz
- Sample Format: 32-bit float
- Maximum file size accepted is 500kb but the average file size will be less then 100kb.

| File Name | Audio Voice |
|------------------|--|
| APModeDisabled | AP Mode disabled |
| APModeEnabled | AP Mode enabled |
| BSDFront_1 | pedestrian warning, pedestrian warning |
| BSDFront_2 | Beep twice |
| BSDLeft_1 | Beep twice |
| BSDLeft_2 | pedestrian warning, pedestrian warning |
| BSDRight_1 | pedestrian warning, pedestrian warning |
| BSDRight_2 | Beep twice |
| closell_1 | Ding, unsafe following distance |
| closell_2 | Beep twice |
| coll_1 | collision warning |
| coll_2 | Beep twice |
| didi | Beep twice |
| dist_1 | Ding, driver distraction |
| dist_2 | Beep twice |
| EmerDecrSpeed | harsh breaking |
| EmerIncrSpeed | harsh acceleration |
| EmerTurn | harsh cornering |
| glass_1 | Ding, please don't wear blocking glasses |
| glass_2 | Beep twice |
| HandsOff | Keep hands on steering wheel |
| lane_1 | Ding, lane departure |
| lane_2 | Beep twice |
| NoDriver_1 | Ding, no driver detected |
| NoDriver_2 | Beep twice |
| nomask_1 | Please wear a mask |
| nomask_2 | Beep twice |
| NoSeatBelt_1 | Ding, please fasten seatbelt |
| NoSeatBelt_2 | Beep twice |
| OverspeedWarning | overspeed, warning |
| PanicAlarm | panic alarm |
| PCWII_1 | pedestrian warning, pedestrian warning |
| PCWII_2 | Beep twice |
| PlayPhone_1 | Ding, phone detected |
| PlayPhone_2 | Beep twice |



| PrivacyModeDisabled | privacy mode disabled |
|---------------------|--|
| PrivacyModeEnabled | privacy mode enabled |
| smoke_1 | ding, smoking detected |
| smoke_2 | Beep twice |
| SpeedWarning | Speed Warning |
| tele_1 | Ding, phone detected |
| tele_2 | Beep twice |
| tiredI_1 | Yawning, please drive carefully |
| tiredI_2 | Beep twice |
| tiredII_1 | fatigue warning, please rest now |
| tiredII_2 | Beep twice |
| ZebraPepole | pedestrian warning, pedestrian warning |

Loading new files to device.

- Copy your newly created audio files to the "host" directory in this path "upgrade/mp3/host"
- Connect your USB drive to the ADPLUS 2.0 using the USB cable.
- Power up your device and connect to the units WIFI access point
- Connect to the device using the Veyes app
- Navigate to General > Other and select Import Mp3 File
- You will get "Execution successful" if files are loaded

| [Plate] | 🔠 General | 1 | Preview | 🔛 Playback | III Preferences | 1 |
|----------------|--------------------------|---|---------|------------|-----------------|---|
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| Basic Info | Import Electric Fence | 昆 | | | | |
| ٩ | Import Al Config File | 昆 | | | | |
| Device Module | Export Al Config File | 毘 | | | | |
| | Restore Default Settings | ٢ | | | | |
| storage Device | Export Print Data | 昆 | ø | | | |
| U Version Info | Reboot Device | ٩ | | | | |
| Terester and | Import Mp3 File | 圆 | | | | |
| Other | Restore Default Mp3 File | ٢ | | | | |



FAQ

Question: What software can I use to create or edit existing recordings?

Answer: https://www.audacityteam.org/download/

Question: I recorded my notification in stereo on a high bit rate, how do I change it using Audacity?

Drag your audio file to Audacity and view the parameter on the left.



Split the Stereo recoding to Mono, right click the left plane and select "Split Stereo to Mono"

| Name | |
|---|--|
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| Format | |
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Close the second Mono line



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Set your sample rate and format, select Audio Setup > Audio settings

| PanicAla File Edit | m Select | Yew | Transport | Tracks | Generate | Effect | Analyze | Tools | Help | | 1 | - | | | | | | | | | | 1 | ø | × |
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Quality settings should be as below.

| HUDIO SE | ettings | | | | | | × | | | | | |
|-------------|-----------------|-------------------|-------|----------|------|--|---|--|--|--|--|--|
| Interface | | | | | | | | | | | | |
| Host: MME 🗸 | | | | | | | | | | | | |
| Using: P | ortAudio V19.7. | 0-devel, revision | unkno | wn | | | | | | | | |
| Playbac | k | | | | | | | | | | | |
| Device: | Speakers (Realt | ek(R) Audio) | | ~ | | | | | | | | |
| Recordi | ng | | | | | | | | | | | |
| Device: | Microphone | Array (Realtek(R) | Au | ~ | | | | | | | | |
| Channel | s: 1 (Mono) | | | ~ | | | | | | | | |
| Quality | | | | | | | | | | | | |
| Project S | iample Rate: | 16000 Hz | ~ 4 | 4100 | 0 | | | | | | | |
| Default S | Sample Rate: | 16000 Hz | ~ 1 | 6000 | | | | | | | | |
| Default S | Sample Format: | 32-bit float | | | ~ | | | | | | | |
| Latency | | | | | | | | | | | | |
| Buffer le | ngth: | 100 | | millisec | onds | | | | | | | |
| Latency | compensation: | -130 | | millisec | onds | | | | | | | |
| | | | | | | | | | | | | |

Export your file to .WAV format .



| File | Edit Select | View | Transport | Tracks | Generate | Effect | Analyze | Tools H | lel |
|------|-----------------------|--------------|-----------|------------------|------------------|--------|---------|---------|--------|
| | New Open | Ctrl Ctrl | +N +0 | | | Ļ | I | * (| Ð M |
| | Recent Files Close | Ctrl | •w } | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | , |
| | Save Project | | > 1 | | | | | | |
| | Export | | > | Export | as MP3 | | | | |
| | Import | | > | Export | as WAV | | | | |
| | Page Setup Print | | | Export Export | as OGG Audio | udia | Ctrl+SI | hift+E | |
| _ | Exit | Ctrl | +Q | Export | Labels | uaio | | | |
| | | | | Export Export | Multiple MIDI | | Ctrl+SI | hift+L | |

