



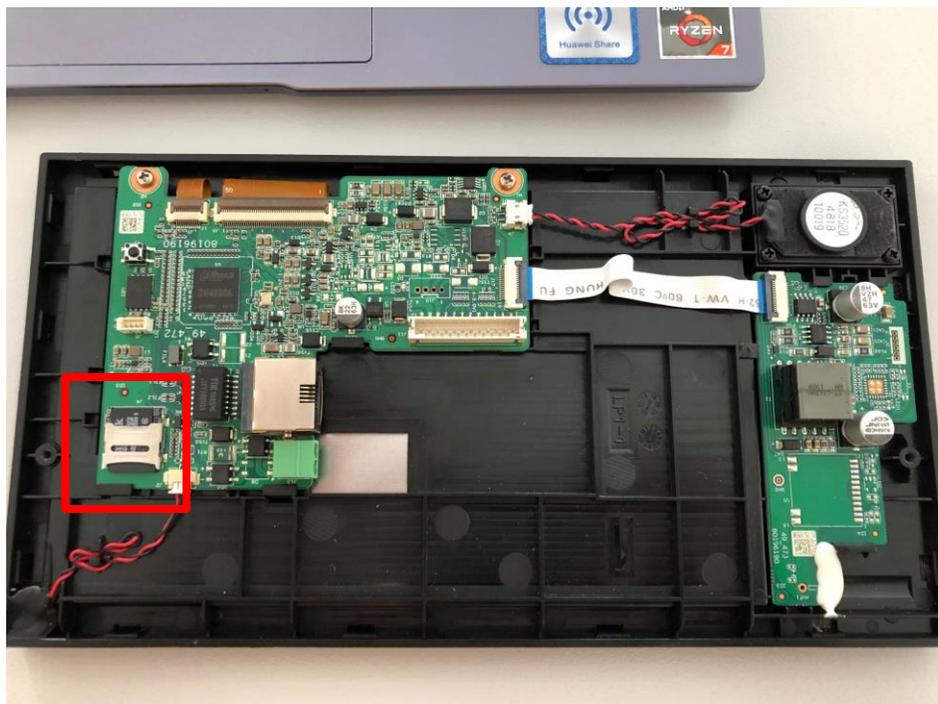
VTH ring tone setting guide

Dahua Technology GmbH
Product & Solution



Precondition

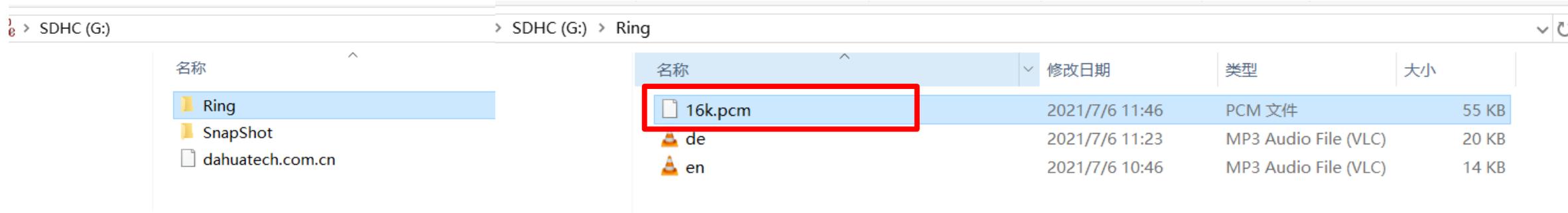
VTH has SD card (both embedded and external possible)



Preparing the ring tone

Please note the following requirement:

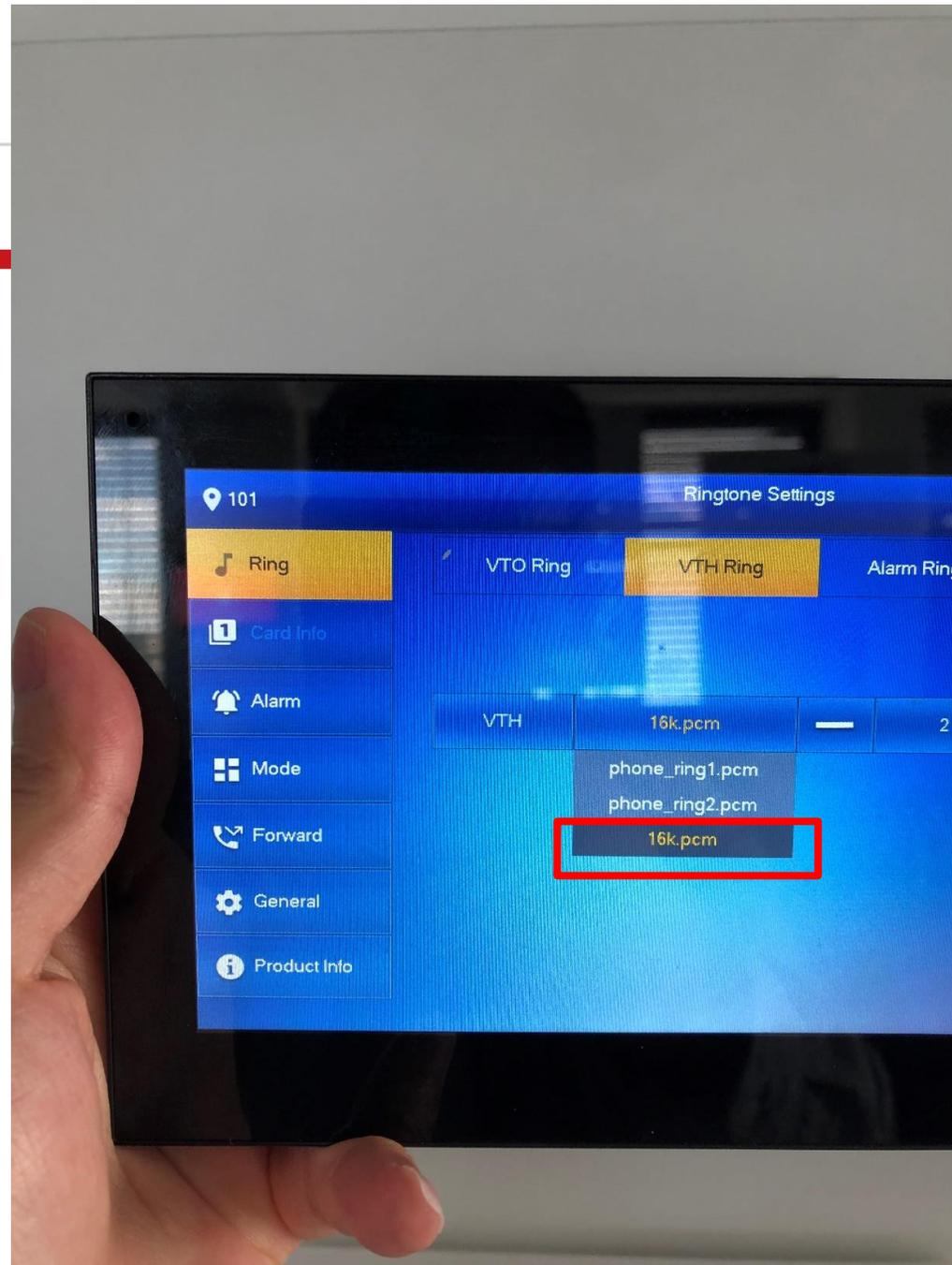
1. Ring tones must be stored in the /Ring folder at the root directory of the SD card.



2. Audio files must be .pcm files (audio files of other formats cannot be played if you change their extension names).
3. Audio file size must be less than 100 KB.
4. You can only customize 10 ring tones. Other ring tones will not be displayed at the VTH.

Done

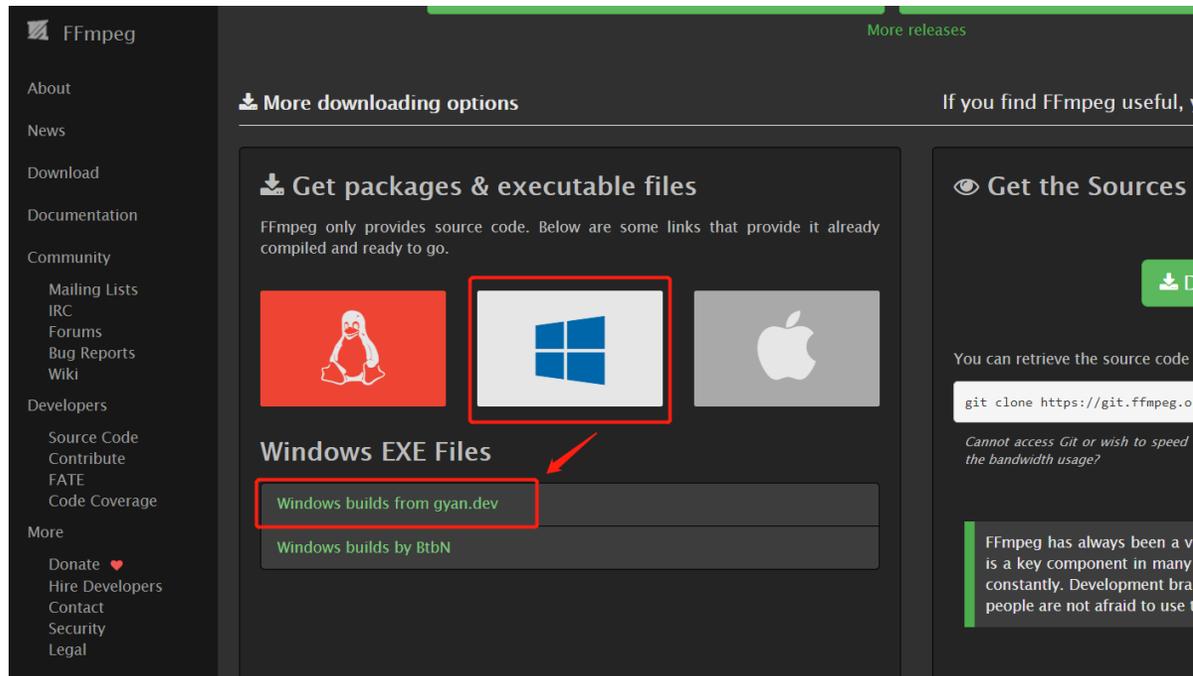
Then you can find the added audio in VTH



Tips: audio format transfer from MP3 to PCM

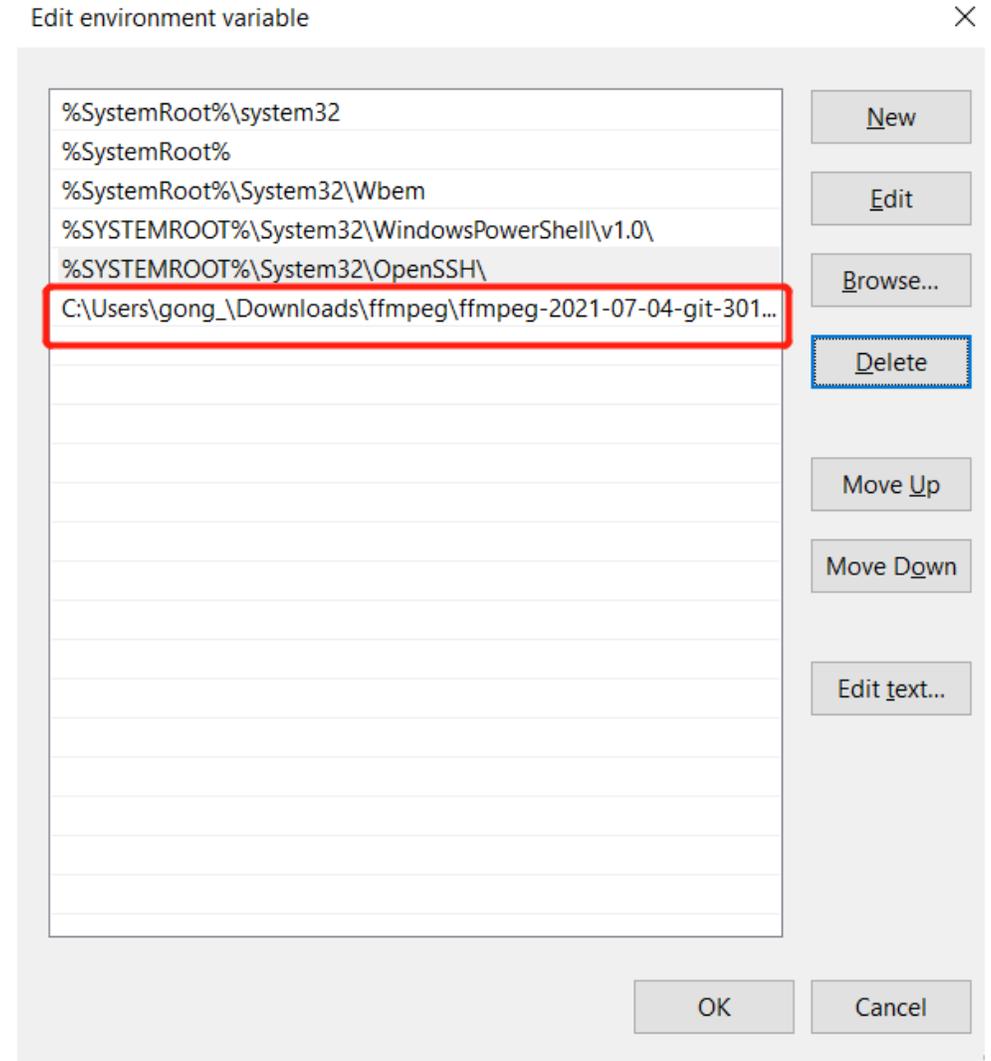
Only for the reference! Transfer by tool FFmpeg

1. Download the package: <https://ffmpeg.org/download.html>



Tips: audio format transfer from MP3 to PCM

2. Extract the package and copy the bin-path, for example
C:\Users\gong_\Downloads\ffmpeg
3. Add the environment variables: this computer-right click-properties-advanced system setting-advanced-environment variables-system variables-path-edit-browse-bin path



Tips: audio format transfer from MP3 to PCM

4. Get into the folder of MP3 file and run cmd, put the following code and run it

```
ffmpeg -y -i test.mp3 -acodec pcm_s16le -f s16le -ac 2 -ar 16000 16k.pcm
```

parameter	explain
-i test.mp3	Source file
-ar 16000	Sample rate

If the pcm file is too large, you can reduce the sample rate to get a smaller pcm file

Tips: audio format transfer from MP3 to PCM

```

Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19041.1052]
(c) Microsoft Corporation. All rights reserved.

C:\Users\gong_\Downloads>ffmpeg -y -i test.mp3 -acodec pcm_s16le -f s16le -ac 2 -ar 16000 16k.pcm
ffmpeg version 2021-07-04-git-301d275301-full_build-www.gyan.dev Copyright (c) 2000-2021 the FFmpeg developers
  built with gcc 10.3.0 (Rev2, Built by MSYS2 project)
  configuration: --enable-gpl --enable-version3 --enable-static --disable-w32threads --disable-autodetect --enable-fontconfig --enable-iconv --enable-gnutls --e
nable-libxml2 --enable-gmp --enable-lzma --enable-libsnappp --enable-zlib --enable-librist --enable-libsrt --enable-libssh --enable-libzmq --enable-avisynth --e
nable-libbluray --enable-libcaca --enable-sdl2 --enable-libdav1d --enable-libzvbi --enable-librav1e --enable-libsvtav1 --enable-libwebp --enable-libx264 --enabl
e-libx265 --enable-libxvid --enable-libaom --enable-libopenjpeg --enable-libvpx --enable-libass --enable-frei0r --enable-libfreetype --enable-libfribidi --enabl
e-libvidstab --enable-libvmaf --enable-libzimg --enable-amf --enable-cuda-llvm --enable-cuvid --enable-ffnvcodec --enable-nvdec --enable-nvenc --enable-d3d11va
--enable-dxva2 --enable-libmfx --enable-libglslang --enable-vulkan --enable-openc1 --enable-libcadio --enable-libgme --enable-libmodplug --enable-libopenmpt --en
able-libopencore-amrwb --enable-libmp3lame --enable-libshine --enable-libtheora --enable-libtwolame --enable-libvo-amrwbenc --enable-libilbc --enable-libgsm --e
nable-libopencore-amrnb --enable-libopus --enable-libspeex --enable-libvorbis --enable-ladspa --enable-libbs2b --enable-libflite --enable-libmysofa --enable-lib
rubberband --enable-libsoxr --enable-chromaprint
  libavutil      57. 0.100 / 57. 0.100
  libavcodec     59. 3.100 / 59. 3.100
  libavformat    59. 4.100 / 59. 4.100
  libavdevice    59. 0.100 / 59. 0.100
  libavfilter     8. 0.103 /  8. 0.103
  libswscale     6. 0.100 /  6. 0.100
  libswresample  4. 0.100 /  4. 0.100
  libpostproc   56. 0.100 / 56. 0.100
[mp3 @ 000001f6e219e000] Estimating duration from bitrate, this may be inaccurate
Input #0, mp3, from 'test.mp3':
  Metadata:
    encoder      : Lavf58.45.100
  Duration: 00:00:02.32, start: 0.000000, bitrate: 48 kb/s
  Stream #0:0: Audio: mp3, 22050 Hz, mono, fltp, 48 kb/s
Stream mapping:
  Stream #0:0 -> #0:0 (mp3 (mp3float) -> pcm_s16le (native))
Press [q] to stop, [?] for help
Output #0, s16le, to '16k.pcm':
  Metadata:
    encoder      : Lavf59.4.100
  Stream #0:0: Audio: pcm_s16le, 16000 Hz, stereo, s16, 512 kb/s
  Metadata:
    encoder      : Lavc59.3.100 pcm_s16le
size= 145kB time=00:00:02.32 bitrate= 512.0kbits/s speed= 171x
video:0kB audio:145kB subtitle:0kB other streams:0kB global headers:0kB muxing overhead: 0.000000%

C:\Users\gong_\Downloads>

```