1. Making an Audio File (.wav or .mp3)

1. Download text-to-speech software such as TTS by using a mobile phone and enter texts to be converted into speeches to generate an audio file.

2. Visit the website <https://text-to-speech.imtranslator.net/speech.asp>. Russian, Spanish, Korean, Japanese, and many other languages are supported. Enter texts, select a language, and click . Right-click the audio file and choose **Save audio as...** from the shortcut menu.

1. Making a PCM Voice File on a GUI

1. All audio files used by access control products are .pcm files, with specific parameters as follows: sampling rate of 8000, number of bits of 16, and mono channel.

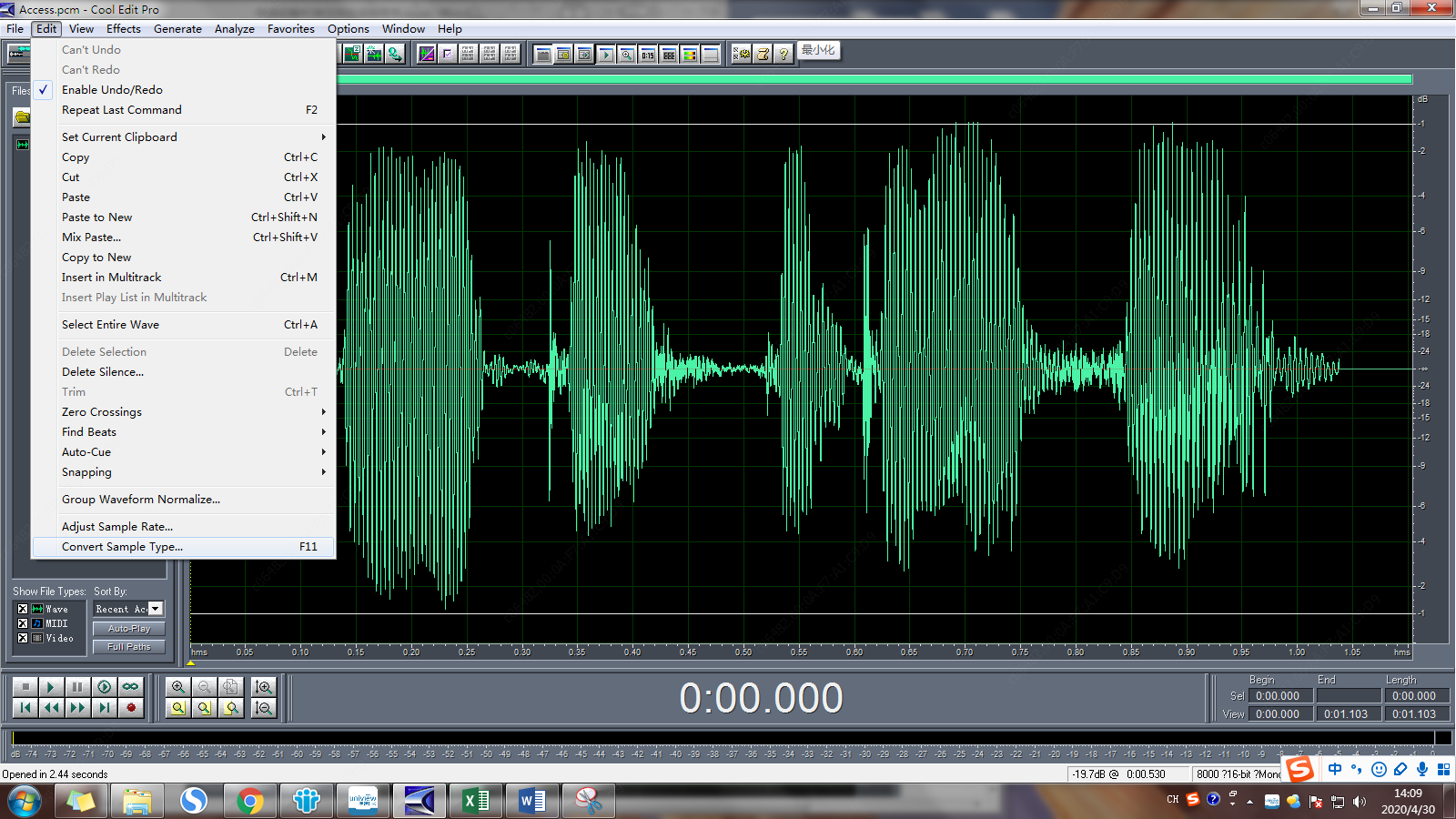
2. Audio editing software can be used to convert audio files of different formats (.mp3 or .wav) into required .pcm file. Adobe Audition 3.0 is recommended.

3. The conversion method is as follows:

(1) Open a source audio file.



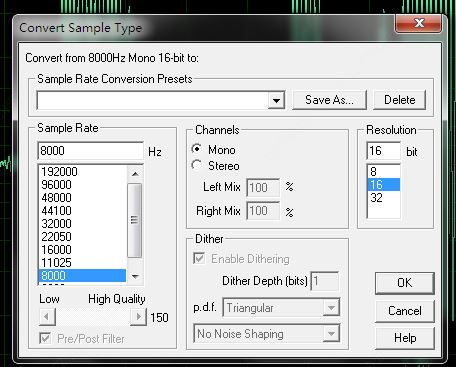
(2) Select the file and choose **Edit** > **Convert Sample Type** from the main menu. In the displayed dialog box, select **8000** from the **Sample Rate** drop-down list, set **Resolution** to **16 bits**, and click **Mono** in **Channels**.



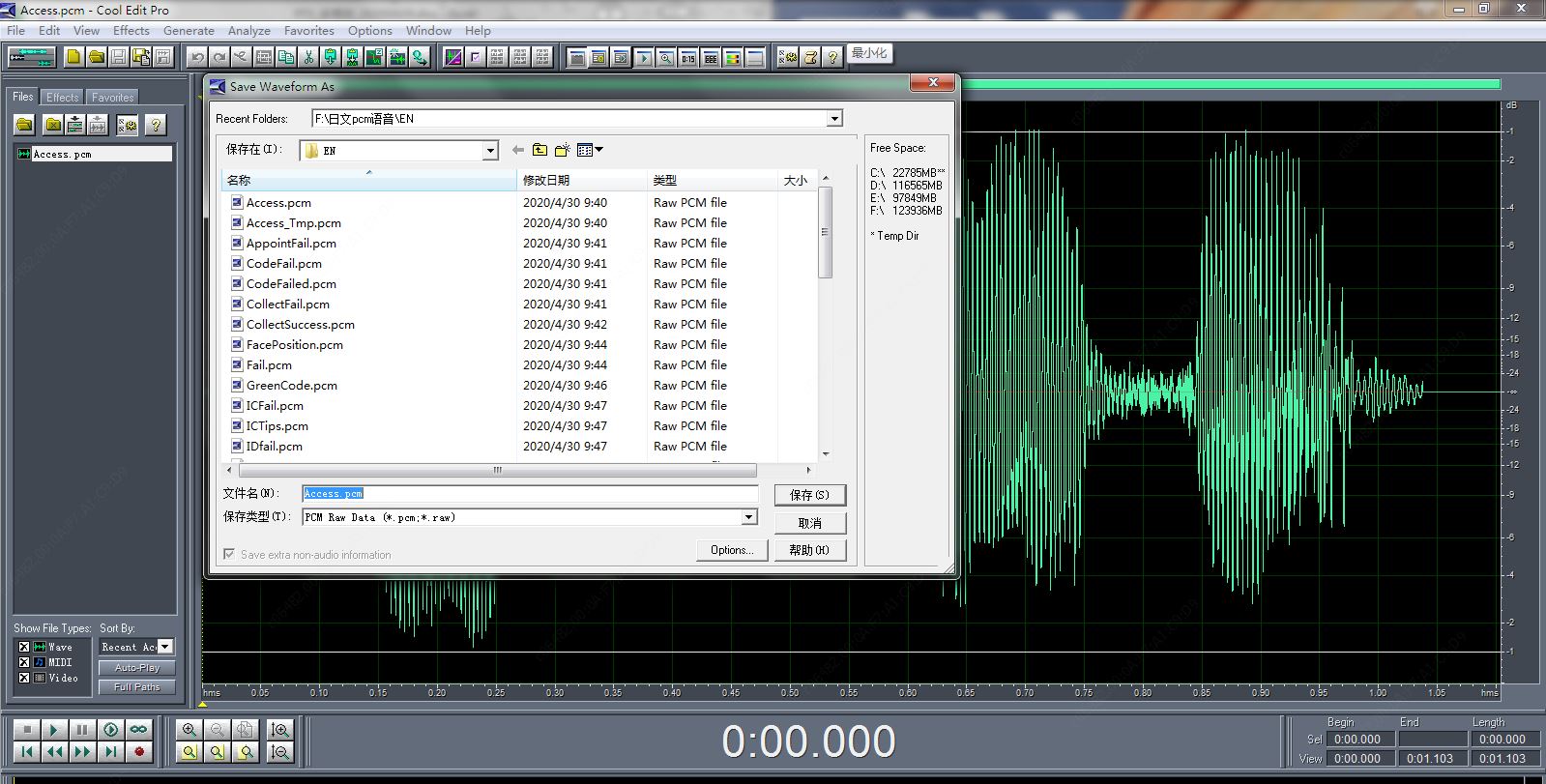
3. Choose **Convert Sample Type**.

1. Select a file.

2. Choose **Edit**.



(3) After successful conversion, save the file as a .pcm file.



1. Choose **File** > **Save Waveform As**.

2. Select the .pcm format.

(4) Adjust the file volume.

Choose **Effects** > **Amplitude** > **Normalize** from the main menu. Select **Normalize to** and enter a value in the range of 80% to 110% in the input box. It is not recommended that the audio crest surpass the white line (1dB). Otherwise, audio distortion may be incurred and some sound effect will be lost.

