

WXtolmg - Tutorial

This tutorial helps to know and set the WXtolmg software.

It can download in the official page <http://www.wxtoimg.com/>. Once the software has been installed in the computer, several sets must be done.

- The first step is to specify where the ground station is situated. It can be added automatically, if there is a small region, or by writing manually the coordinates. The last option is recommended for big cities or places not recognised by the program. To do this, go to Options... > Ground Station Location... .
- The second step is to update keplers which are necessary to know the real next pass and the duration of each NOAA satellite. Important, this step should be done periodically. Go to File... > Update Keplers... . The complete list can be download in File... > Satellite Past List... .
- For next step goes to Options... > Active APT Satellite... to tick the desired satellites to receive. (To this day, NOAA 15-18-19 are operational).
- It is necessary to specify the satellite type, so go to Satellite... to active Autodetect APT.
- Next step is to set the mixer control. The advanced options in microphone properties are set as channel 2, 16 bit, 96000Hz.
- As last step, go to File... > Record... . The program can be set in two options: *only record* or *record and auto process*. In this project has been used the record and auto process. Once Auto Record button is pressed, the recording and decoding will start when the satellite appears on the horizon, and stop when it goes out of view according to the times in the satellite pass list.

During the record, if the volume bar in the bottom right hand corner is in red or yellow colour, it should sets in Windows volume settings increasing or decreasing up to get a green colour.

Once the record has finished, a audio file will have saved in the folder .../Pictures/...
.../WXtolmg/audio . Different enhancements can be used in the picture.

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