
How to Help Improve weather@point

Dear weather@point user, chances are that you have encountered some problems with your device. Your device is almost certainly in perfect working condition. What generates the trouble is probably your mobile device. But it doesn't mean that you have to change your phone if it still serves you well. The mobile application is still being actively developed, and there is a chance that the next version will work on your device too. But the developer team needs your feedback. Please, read on!

Checking whether Your Mobile Device Provides Enough Power

The microphone input of your mobile device provides power to weather@point, which is by the way an exceptionally low-power device. There are mobile phones and tablets which fail to provide enough power nonetheless. First, you should test if that is the case with your mobile device. Here is how to do that: plug in weather@point, wait for about 5 s, then start a voice recorder application. Probably any application of that kind will do, but we recommend the simplest possible one, probably the one which came preinstalled on your device. Start recording and leave it so for about 15 to 20 s. If you can choose the audio format, chose 16-bit samples at a rate of 44100Hz, which will probably be the default. While recording, make some noise, speak a few words, it is part of the test.

After you have stopped the recording, you can play it back, but be careful with the volume setting. Set it low in the beginning, you can get it louder later. The following results can come up:

- a) You hear absolutely nothing. This can mean that the device did not receive enough power, it did not start working so the mobile device recorded only silence. This is a bad result, and at this point, this system can't be made to work. But try this a few times before giving up. Maybe there are some connection problems at the headset connector of your mobile device.
- b) You hear your own voice or the kind of noise you made while recording. One thing is sure: your mobile device did not detect weather@point and left the built-in microphone active. This is not a good sign either, but you should continue experimenting. If you can connect weather@point to the mobile device in such a way that it gets recognized as an external microphone, power will probably be applied to it and it might start working. Consult your mobile device's manual if necessary.
- c) You hear a purring sound, cracking, or some other clearly synthetic sound, that is the output from weather@point. In this case, the system will probably be working, but for that the developer team needs your help.

What to Do If the Result Was C

This result is actually good. There is a wide variety of microphone amplifiers in mobile devices. Each one can introduce incredible distortion to the signal from weather@point. Because of that, the

data decoder of the application gets confused and misses out important parts of the data. But decoding algorithms can be improved, and the system would start working in the future.

In this case, it is very important to send your data to the developer team. What is needed is the following:

1. The sound file you made with the voice recorder. Transfer it to your computer and export it in one of the well known audio file formats. **wav** format is preferred.
2. Prepare an additional document (plain text, doc, docx, odt, pages or pdf formats would be preferred) which contains the following information:
 - a) Manufacturer of your mobile phone (ex. Samsung, HTC, etc.)
 - b) Exact model designation
 - c) Manifestation of the problem – particularly important is the point where the application gets stuck. Is it at the startup wizard, first initialization or at the indoor/outdoor data form.
 - d) Additional information you consider important

Make an archive – zip is preferred – of these files and send it to weatheratpoint@gmail.com.

Don't make very large files. 15 s of recording is enough. Files larger than 2.5 MB will be rejected.

What to Do If the Result Was other than C

In this case, there is a very high possibility that weather@point will not work on your phone. But your help is very important even in this case. The development team is compiling a list of mobile devices compatible and incompatible with weather@point. Obviously, this will not be possible without your help either. In this case, send the document only. But you can send the soundfile if you want to. Who knows, maybe something missed your attention.

What to Do If Everything Just Works Fine

In this case, enjoy your weather@point. But you should send the development team a short document about your mobile device, and general opinions about the system. If you have any suggestions or you noticed some problems in the application, please, give feedback. This way, you will help improve weather@point and help building a list of compatible mobile devices.

Thank you!

The weather@point development team