



# SpeechRecorder – High Quality Scripted Audio Recordings for Field Work and Studio

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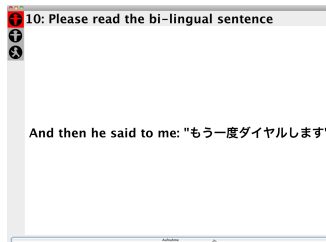
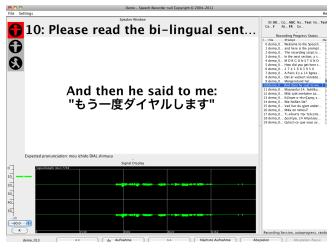
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## SpeechRecorder Features

- platform independence: Windows, OSX, Linux
- text, image and audio prompts
- speaker and supervisor screens
- flexible recording script definition
- fine-grain recording control
- manual included

# SpeechRecorder Demo



<http://www.phonetik.uni-muenchen.de/Bas/software/>

## Quick Guide in 5 Steps

- ① download and install the SpeechRecorder software
- ② select File -> New from the menu and give your project a name
- ③ in the Settings menu, open Speakers... and enter the speaker data
- ④ click the button Record to start, Stop to stop recording
- ⑤ proceed to the next item via >> until all items are done

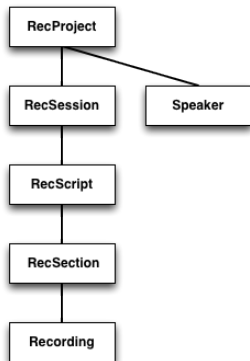
your recordings will be in the RECS folder in the project directory



## Recording Script

- defines the contents of a recording session
- XML document with DTD
- use XML or plain text editor to adapt the script
  - jEdit, Emacs, TextWrangler or other
  - tip: check XML document using your browser
  - do not use Word or similar text processors!
- you may have more than one script per project
  - select the appropriate script from the Settings menu

## Script details



**RecProject** one or more sessions and speakers

**Speaker** data on speakers

**RecSession** one or more scripts

**RecScript** divided into sequential sections

**RecSection** one or more recording items in sequential or random order

**Recording** recording options (code, timing, etc.)



## Recording item XML

```
<recording prerecdelay="2000" recduration="10000"  
  postrecdelay="500" itemcode="demo_022">  
  <recinstructions>  
    Wie geht's weiter?  
  </recinstructions>  
  <recprompt>  
    <mediaitem>  
      Morgenstund hat ...  
    </mediaitem>  
  </recprompt>  
</recording>
```



## Recording item definition DTD

```
<!ELEMENT recording (recinstructions?,  
    recprompt, recomment?) >
```

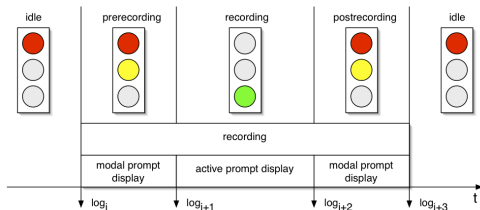
```
<!ATTLIST recording itemcode CDATA #REQUIRED  
    recduration CDATA #REQUIRED  
    prerecdelay CDATA #IMPLIED  
    postrecdelay CDATA #IMPLIED  
    finalsilence CDATA #IMPLIED  
    beep CDATA #IMPLIED  
    rectype CDATA #IMPLIED  
>
```



## Mediaitem definition DTD

```
<!ELEMENT mediaitem (#PCDATA)*>  
  
<!ATTLIST mediaitem mimetype CDATA #IMPLIED  
    src CDATA #IMPLIED  
    alt CDATA #IMPLIED  
    autoplay CDATA #IMPLIED  
    modal CDATA #IMPLIED  
    width CDATA #IMPLIED  
    height CDATA #IMPLIED  
    volume CDATA #IMPLIED  
>
```

## Recording Phases



|                     |                                   |
|---------------------|-----------------------------------|
| idle                | no recording                      |
| pre-, postrecording | record environment noise          |
| recording           | speech recording with green light |

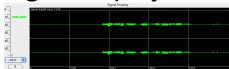
items can be displayed in any of the phases

# Supervisor Screen

- preview of speaker display screen



- signal display



dynamic level meter  
with peak indicator

- script details

ID: 00... Co... ABC Na... Test Vo... Test  
Ge... F Ak... FR Ge...

Recording Progress Status

| L... | File      | Prompt                      | Re...                               |
|------|-----------|-----------------------------|-------------------------------------|
| 0    | demo_0... | Welcome to the Speech...    | <input type="checkbox"/>            |
| 1    | demo_0... | and here is the prompt...   | <input type="checkbox"/>            |
| 2    | demo_0... | The recording script is...  | <input type="checkbox"/>            |
| 3    | demo_0... | In the next section, a s... | <input type="checkbox"/>            |
| 4    | demo_0... | M O R G O N S T U N D       | <input type="checkbox"/>            |
| 5    | demo_0... | How did you get here t...   | <input type="checkbox"/>            |
| 6    | demo_0... | 2 7 4 1 6 8 3 9 5 0         | <input type="checkbox"/>            |
| 7    | demo_0... | A Paris il y a 14 lignes... | <input type="checkbox"/>            |
| 8    | demo_0... | Det är sackett värvade...   | <input type="checkbox"/>            |
| 9    | demo_0... | Morgenstund hat ...         | <input checked="" type="checkbox"/> |
| 10   | demo_0... | And then he said to me...   | <input checked="" type="checkbox"/> |
| 11   | demo_0... | Maanantai 24. huhtiku...    | <input type="checkbox"/>            |
| 12   | demo_0... | MPS cult mieliten as...     | <input type="checkbox"/>            |

recorded items are checked,  
but may be recorded again

- recording control buttons



## Related Software



WikiSpeech    scripted audio recordings via the web



SpeechFinder    graphical speech database manager



WebMAUS    automatic segmentation



Percy    online experiments

<http://www.phonetik.uni-muenchen.de/Bas/software/>

## Bibliography

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