

# VoiceInteraction ASR

## About

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Website: <http://www.voiceinteraction.pt>

## Definition

VoiceInteraction, founded in 2008 and based in Lisboa (Portugal), is a company specialised in the development of speech technologies. VoiceInteraction develops voice synthesis and speech recognition engines for many web and telephony applications.

## Languages

## Installation

This is for the Debian Lenny version, for other Linux, read the official Audimus Installation manual. To configure the apt client, just edit and add to the file /etc/apt/sources.list one of the following line set.

For asterisk 1.Y.X

```
deb http://services.voiceinteraction.pt/repo/Debian/5.0 engines 3rdparty  
Dixi Audimus  
deb http://services.voiceinteraction.pt/repo/Debian/5.0 asterisk.1.Y.X Dixi  
Audimus
```

Refresh the package local base with:

```
# apt-get update
```

And Install the package audimus-asterisk-xx-xx (where xx-xx is the language requested):

```
# apt-get install audimus-asterisk-es-es
```

The following extra packages will be installed:

```
audimus audimus-config audimus-model-es-es-monophones-g2p-phonemodels  
audimus-model-es-es-monophones-mlp-telephone audimus-model-es-es-monophones-  
task-asterisk
```

Activate the license with:

## # audimus\_activate\_license

Please enter your Audimus license:

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Your License was successfully activated!
```

## Configuration

To enable speech recognition, change the main speech parameter. The “speech” parameter can get three values, “yes”, “automatic”, “no” or “emulation” (don’t generate errors if you enable speech grammars).

```
...
speech=automatic
speechprovider=verbio
...
```

In the VoiceXML browser configuration file:

```
#####
# ASR server configuration #
#####

client.rec.resource.0.cacheDir      VXIString  /tmp/cacheContent
client.rec.resource.0.format        VXIString  txt
client.rec.resource.0.syntax        VXIString  doctype
```

You need to restart the Vxi and Asterisk to get all the changes.

Logs file from the ASR engine:

```
# tail -f /var/log/VI/VI.log
```

The following VoiceXML example uses the speech recognition, with the built in grammar, ‘digits.’

```
<?xml version="1.0" encoding="iso-8859-1"?>
<vxml version="2.0" xmlns="http://www.w3.org/2001/vxml" xml:lang="en-UK">
  <form>
    <property name="inputmodes" value="voice"/>
    <property name="timeout" value="30s"/>
    <field name="text" type="digits">
      <catch event="noinput nomatch">
        <reprompt/>
      </catch>
      <prompt>
        Speak to me:
      </prompt>
    </field>
  </form>
</vxml>
```

```
</prompt>
</field>
<filled>
  <prompt>
    You say me:
    <value expr="text" />
  </prompt>
  <clear namelist="text" />
</filled>
</form>
</vxml>
```

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