



## MELANIE

### Trained Models for Language Identification

(Trained language model for classification with  
MP/SQ Mel-LM-SQ, Mel-LM,MP)

## MELANIE – Trained Models for Language Identification

### Functionality

Using the models, MELANIE classifiers can be used from scratch without an additional training step.

These trained language models can be recommended if not sufficient training material is available for the languages to be classified. The performance is the better, the more close the data of the application correspond to the used language model. For these trained models, the type of signal quality is given in the following table.



### Available models

Short Cut1	Language	Dialect	Quality
CAF-ARA-EG-TEL	Arabic	Egyptian	Telephone
MED-ARA-RTV	Arabic	Microfon	Radio / TV
CAF-CHI-TEL	Chinese, Mandarin	Mainland	Telephone
CAF-CHI-TW-TEL	Chinese, Mandarin	Taiwan	Telephone
MED-CHI-RTV	Chinese		Radio / TV
MED-SCR-RTV	Croatian		Radio / TV
MED-CZE-RTV	Czech		Radio / TV
MED-DUT-RTV	Dutch; Netherlands		Radio / TV
CAF-ENG-US-TEL	English	American , non-Southern	Telephone
CAF-ENG-US-S-TEL	English	American , Southern	Telephone
MED-ENG-RTV	English		Radio / TV
CAF-FAS-TEL	Farsi		Telephone
MED-FIN-RTV	Finnish		Radio / TV
CAF-FRE-CA-TEL	French Canadian		Telephone
MED-FRE-RTV	French		Radio / TV

<b>Short Cut2</b>	<b>Language</b>	<b>Dialect</b>	<b>Quality</b>
CAF-GER-TEL	German		Telephone
MED-GRE-RTV	Greek		Radio / TV
CAF-HIN-TEL	Hindi		Telephone
MED-HUN-RTV	Hungarian		Radio / TV
MED-IND-RTV	Indonesian		Radio / TV
MED-ITA-RTV	Italian		Radio / TV
CAF-JPN-TEL	Japanese		Telephone
MED-JPN-RTV	Japanese		Radio / TV
CAF-KOR-TEL	Korean		Telephone
MED-NOR-RTV	Norwegian		Radio / TV
MED-POL-RTV	Polish		Radio / TV
MED-POR-RTV	Portuguese		Radio / TV
MED-RUM-RTV	Romanian		Radio / TV
MED-RUS-RTV	Russian		Radio / TV
MED-SCC-RTV	Serbian		Radio / TV
MED-SLV-RTV	Slovenian		Radio / TV
CAF-SPA-TEL	Spanish	Non-Caribbean	Telephone
CAF-SPA-C-TEL	Spanish	Caribbean	Telephone
MED-SPA-RTV	Spanish		Radio / TV
MED-SWE-RTV	Swedish		Radio / TV
CAF-TAM-TEL	Tamil		Telephone
MED-THA-RTV	Thai		Radio / TV
MED-TUR-RTV	Turkish		Radio / TV
CAF-VIE-TEL	Vietnamese		Telephone

## **Company Principles and Policy**

### *Technology*

... in development and company management is state-of-the-art, and represents only the best.

### *Quality*

... in all areas of our company is regarded as the almost requirement for risk-free and successful cooperation with our customers, and business partners.

### *Market Position*

... we are the specialists in the field of signal and data processing as well as pattern recognition, and we are glad to face competition.

### *Colleagues*

... form the roots of our company, and give the performance required for maintaining and building the technical base, and close personal cooperation we have with our clientele.

### *Growth*

... we strive toward a healthy, stable foundation at home and abroad.

### *Services*

... are comprehensive and complete. As a full-system company we offer standard equipment, systems, and services.

### *Trust*

... in the relationships to our business partners, and within our own company forms the basis of our business.



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