

GENERAL SETTINGS:

- Language: Basque or Spanish
- Dictionary name
- Intonation model: Peaks & valleys or Fujisaki's
- Duration model: Rule based or statistical
- Pitch Mean & StdDev
- Speaking rate
- Volume
- Speaker
- Synthesis Method: MBROLA, PSOLA, Formants
- Time labels: Unit/Phone/OLA level
- Spectral Smoothing: Y/N
- Power Smoothing: Y/N

GENERAL FEATURES:

- Modular architecture - allows the use as developing tool & as an API
- Information flow is unidirectional: each module adds information to the data stream
- Multilingual architecture - presently developed mainly for Basque
- Multiplatform: Windows/VC6.0 & Linux/GCC
- Multithread

INPUT TEXT:

- ISO 8859-1 Latin
- Acronyms, numbers, dates, times accepted.
- Escape sequences for manual control: currently breaks, in the future other parameters



DICTIONARY:

- Morpho-syntactic information:
 - List of verbs
 - List of suffixes and prefixes
 - Acronyms' expansion
 - Information about breaks
 - Stress information
- Up to 14 different group of properties for every entry
- Currently contains 10.000 entries
- Two data format:
 - Binary ⇒ fast searches
 - ASCII ⇒ customer data

SYNTHESIS UNITS:

- Di/Tri/Tetra/phones, & pseudo-phones
- Wave or Multiband-Resynthesized units
- Ion's database - 900 units

