

## AI-Powered

# Accent Localization

### Overview:

Meeami Technologies' Accent Localization engine is an AI-based model designed to adjust and transform regional accents in real time. The solution enables improved mutual intelligibility in human-agent and human-machine communication. It helps neutralize or convert strong regional accents into more standardized, intelligible speech to enhance voice quality, improve ASR accuracy, and reduce communication friction in global deployments.

### Outcomes & Transformations

- **Accent Neutralization**  
Reduces strong regional accent markers to improve clarity and understandability.
- **ASR Pipeline Optimization**  
Pre-processes speech to be more compatible with speech recognition engines, reducing Word Error Rates (WER).
- **Lightweight & Deployable on Edge**  
Designed for low-latency environments with support for embedded NPUs and CPUs.
- **Interoperable with Existing Voice Stack**  
Can be used alongside Meeami's Noise Suppression, Echo Cancellation, and Packet Loss Concealment modules.

### Technical Specifications

Metric	Value
Model MACs	~8G
Latency	<100 ms (real-time capable)
Supported Formats	Onnx, Quantized/Float
Platforms	x86, ARMv8, Edge NPUs
Architecture	Transformers, Conv1D, Conv1DTranspose

### Request a Demo or SDK

Contact us to explore integration, evaluation SDKs, or to schedule a demo:  
[sales@meeamitech.com](mailto:sales@meeamitech.com)