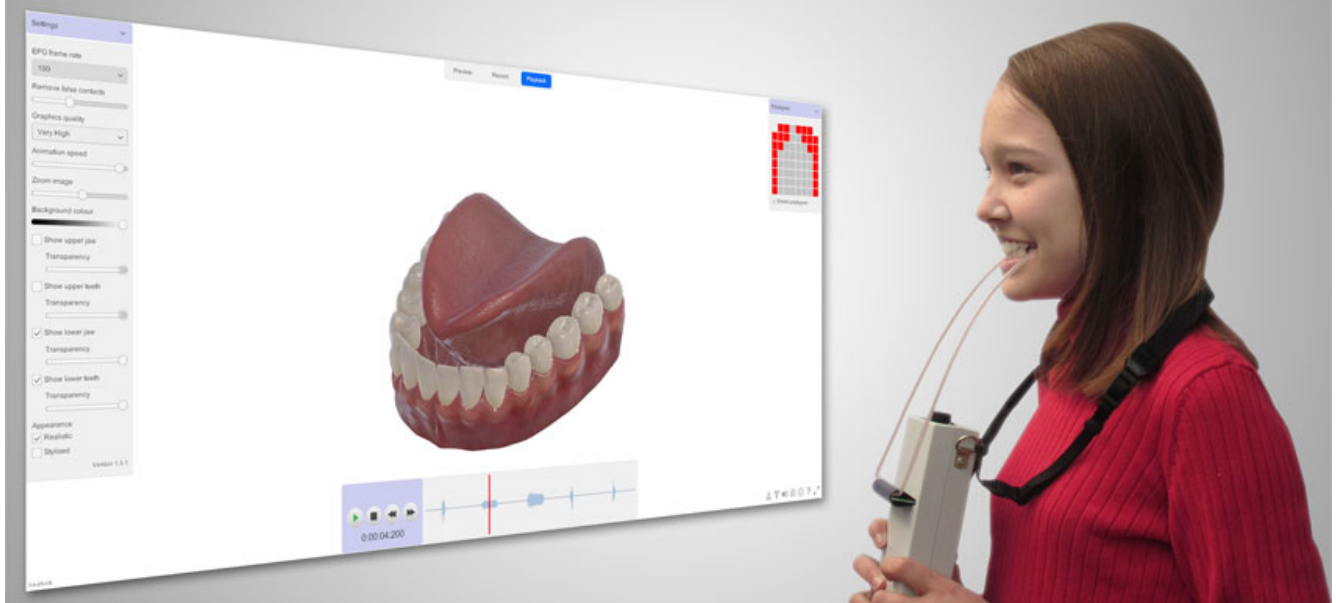


LinguaGraph Electropalatography (EPG) System

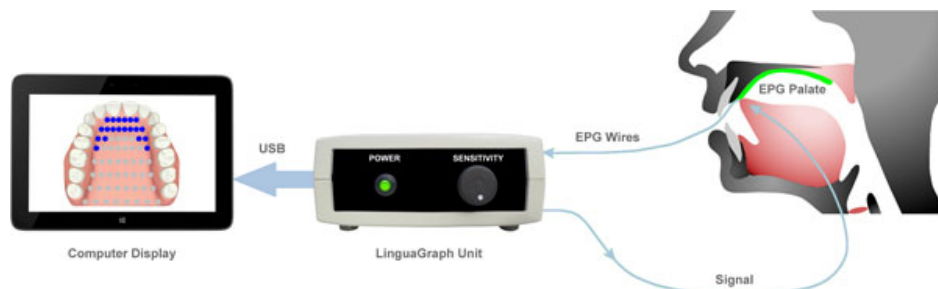
Illustrates tongue contact with the hard-palate during speech



LinguaGraph is a portable electropalatography (EPG) system that monitors tongue contact with the hard-palate during speech. Electropalatography provides direct articulatory information that can be used to study or improve articulation patterns.

How electropalatography works

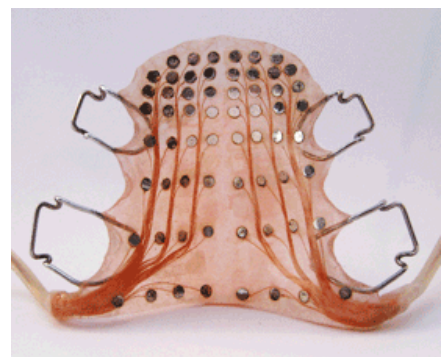
LinguaGraph determines tongue-palate contact by using a special artificial palate that contains 62 electrodes embedded on its lingual surface. A small electrical signal is sent to the patient, which is conducted through the tongue to any touched electrodes. These tongue-palate contact patterns are then displayed on a computer screen.



Electropalatography palate

LinguaGraph is compatible with the Reading electropalatography palate (sold separately). The palate is custom-made for each user and simply clips to the upper teeth. The wires from the palate are connected to the LinguaGraph unit, which is worn around the neck.

Please contact us for details about our EPG palate manufacturing service. We also supply EPG palate kits that enable orthodontic technologists to manufacture palates locally.

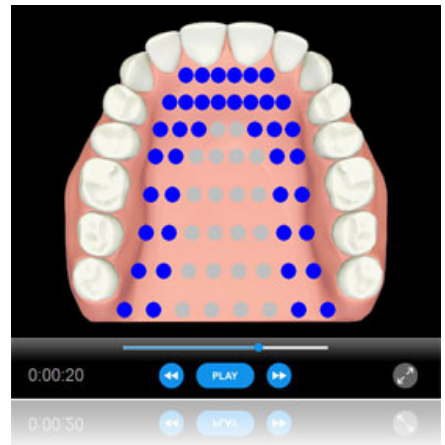


Compatible software

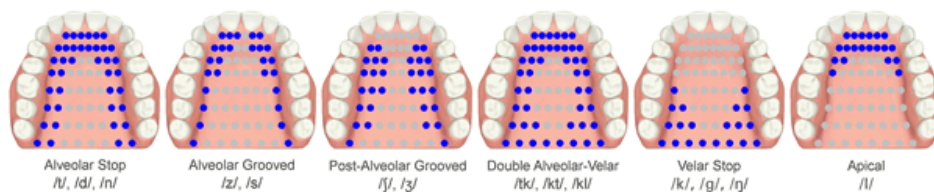
LinguaView

LinguaView is easy-to-use Windows software that provides an ideal introduction to electropalatography:

- Preview tongue-palate contact in real-time
- Record tongue-palate contact and audio
- Playback tongue-palate contact and audio
- Tongue-palate contact template library
- Tongue-palate contact template editor
- Create tongue-palate contact videos
- Anatomical or classic palatograph displays
- Compatible with videoconferencing software for remote articulation therapy
- Windows 10, 8 and 7 compatible
- Desktop, laptop and tablet compatible

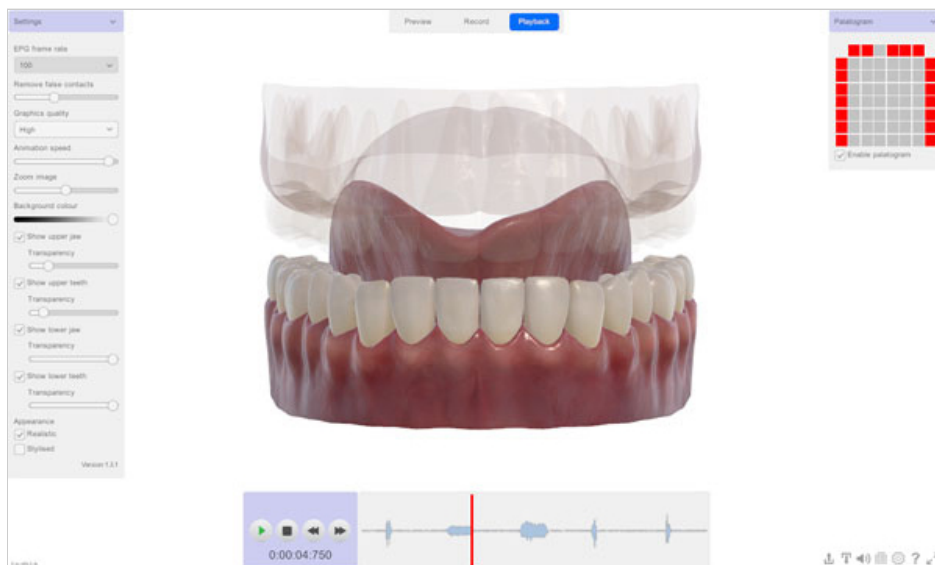


Typical tongue-palate contact patterns observed in normal English speakers when producing lingual consonants:



LinguaView 3D

LinguaView 3D uses state-of-the-art computer animation and 3D modelling techniques to illustrate where the tongue touches the hard-palate during speech. The 3D model consists of the tongue, hard palate, teeth and lower jaw. The transparency of these articulators can be adjusted to reveal hidden structures, and the model can be rotated 360°.



Typical 3D tongue-palate contact patterns observed in normal English speakers when producing lingual consonants:



Additional features include:

- Preview 3D tongue-palate contact in real-time
- Record 3D tongue-palate contact at up to 200 FPS with fully synchronised audio
- 3D tongue-palate contact template library
- 3D tongue-palate contact template editor
- Photorealistic and stylised views
- File format compatible with icSpeech Professional Edition

icSpeech Professional Edition

LinguaGraph EPG is compatible with icSpeech Professional Edition, which supports a wealth of additional features, including:

- Multi-channel EPG
- Anatomical or classic palatograph displays
- Waveform displays
- Spectrogram displays
- EPG Games
- Extensive lingual parameters and analysis
- EPG data export facility
- EPG Template matching
- Recorder with picture & word prompting
- Combines EPG with acoustic, airflow, voicing and video data
- Windows 10, 8, 7 and Vista compatible

