



Ectaco[®] SpeechGuard[®] TLX Hardware Specification

Hardware Item	Specification
CPU	MTK 6589 1.2 Ghz A9 Quad Core
RAM	1GB
ROM	8GB
Display	1280×720 pixels, 4.5 inches TFT-capacitive Scratch resistant touch screen. Gorilla 2 version glass
Audio IC	LM49350 audio CODEC
Volume Control	2 HW keys
Internal Microphone	Electret condenser KECG2242PBL-A

Internal Speaker	Dynamic speaker, 1W power output
Power Supply	Rechargeable Lithium-Polymer battery, 4,200 mAh, Battery Life (regular use): 6 days
MicroSD	Support up to 32GB
LEDs	Blue color LED: indicating the work status and charging status Red color LED: indicating radio control status
Phone Jack	3.5mm jack
Phone/ Speaker Switch	By software
Charging System	Over microUSB water proof slot External DC charger: 1A, 5V PC charge: 500mA, 5V
USB	microUSB v2.0, HS, for charging and data transfer
Camera	Front view camera: 2 Mega pixels Rear view camera: 8 Mega pixels
WLAN	Wi-Fi IEEE 802.11 b/g/n
DLNA	Wi-Fi hotspot
Wi-Fi and 3G Tethering	Permitted
2-Way Radio	1W, Frequencies 400-480MHz, 11 International zones 9 preset channels, CTCSS, SQ, 3" antenna (included)

Communication	<p>2 slots for SIM cards</p> <p>2G Network: GSM 850/900/1800/1900MHZ</p> <p>3G Network: WCDMA 850/1900/2100MHZ (Supports T-Mobile and AT&T voice and 3G in the US as well as other GSM operators. Supports most of European, Asian, Australian and African GSM operators)</p>
DATA	<p>GPRS -Class 12 (4+1/3+2/2+3/1+4 slots), - 32 - 48 kbps</p> <p>EDGE -Class 12 3G -HSDPA, 7.2 Mbps; HSUPA, 2 Mbps</p>
Bluetooth Connection	<p>V 4.0 with A2DP, EDR</p>
Sensors	<p>Accelerometer</p> <p>Linear acceleration</p> <p>Gravity sensor</p> <p>Magnetometer</p> <p>Gyroscope</p> <p>Rotation vector sensor</p> <p>Orientation sensor</p> <p>Light sensor</p> <p>Pressure sensor</p> <p>Proximity sensor</p> <p>Temperature sensor</p>
Buttons	<p>On/Off, Volume control, Camera control, PTT, ET, SOS</p>
Reset Button	<p>Yes</p>
SOS Emergency Calls Function	<p>Automatic one-touch emergency messaging with GPS coordinates to up to 5 pre-programmed phones numbers; instant call to the first phone number in sequence</p>

Red Laser	Yes
Flashlight	Yes
Vibrating Alert	Yes
Level of Protection	“Green” spec. Waterproof IP67 Dust Proof, Shock Proof
OS	Android OS 4.X.X (periodic upgrades)
Dimensions	166 x 89 x 27mm (6.5” x 3.5” x 1.5”)
Weight	326g (11.5oz)
Temperature	Operating: -25° to 40° Celsius Storage: -30° to 55° Celsius

Ectaco® SpeechGuard® TLX Software Specification

- Free incoming calls within 160+ countries, no contract required
- Quick phone number dial
- One touch email access (IM, Push Email)
- One touch access to all applications at your SpeechGuard®
- Voice and text (SMS threaded view, MMS, F16) messaging
- Chrome Internet browser

Foreign Languages and Communication

- Connection to your school information system through Wi-Fi Voice Translator. Say anything and get an instant translation spoken in the foreign language — a great tool to communicate with foreigners.
- Text Translator. Type anything you want and translate into other languages. No Internet connection is required which makes it a perfect tool in foreign travel communication.

- Photo Translator. Take a picture of any text you want and get an instant translation into your language.
- Audio PhraseBook. A 14,000 situation-oriented database narrated by native speakers at your disposal. Speak and get an instant translation and pronunciation of needed phrases.
- Universal Translator. A comprehensive 183-language word translator. Translates from any language to any language.
- Navigation. A GPS-based navigation system with traffic alerts and Points of Interest.
- Contacts. A complete list of your contacts with phone numbers, addresses, and emails.
- Skype. Your ultimate tools in free voice, data and video communication.
- 2-way radio. A great means of emergency communication in the areas where mobile service and Internet is limited or not available.
- Camera. Take pictures and videos with 8MP camera. An optional face recognition program gives you the ability to unlock your phone in an instant.
- Gallery. A collection of your pictures and video.
- Music. Plays MP3/WAV/WMA/AAC+/MP4/WMV/H.263/H.264 formats

Language Studies

- Interactive learning system Language Teacher® with speech recognition and speech analysis for English and foreign language acquisition
- Bilingual Dictionary, over 1,000,000 words and foreign language to English Academic dictionary with pronunciation of all words and examples of their use. Words and expressions are pronounced by professional narrators - native speakers (multilingual dictionaries for selected models).
- The English Dictionary with pronunciation of words and examples of use. Words and expressions are pronounced by professional narrators — native speakers. There is an option of translating English words in the Main Dictionary.
- Bilingual Picture Dictionary with pronunciation of words and phrases in 36 languages
- U-Learn™, a hands-free/eyes-free program for mastering a foreign language phonetics with evaluations and corrections. Great for use when you are on the road or around the house.
- Linguistic crosswords
- "Flash Cards", an application which helps you words by playing with cards. One side shows a word and on the other side — a translation or interpretation of the word.
- "Pockets" — a popular linguistic game, aimed at intensive vocabulary development
- Word of the Day widget. It automatically shows new word with translation and corresponding picture every time you access this screen.

Social Media, Books and Travel Info

- Facebook for quick connection with your friends around the World
- jetBook eBook reader with dozens of preloaded books
- SpeedReading Course. Beginner, Intermediate and Advanced level course to improve your reading speed without sacrificing the understanding of the book.
- AudioBooks. A dedicated section to store your Audio Books to listen to them while en route.
- Video Player. Play your favorite movies and video clips.
- Voice recorder
- World Travel Guide to tons of countries around the world. Select where you are going and get useful background information.
- Trip Advisor. A must-have application for all travelers. Look up hotels, restaurants, attractions and more. Read what other people are saying, look at pictures and even leave your own tips or reviews.
- Google Play Store. Connect and download music, movies and games of your choice.
- World Factbook. Created by the CIA , a large, informative database with all world countries.
- World Emergency Numbers. Have the most needed phone numbers in each country at your fingertips.
- InkPad. Jot down important notes and reminders with a simple-to-use notepad.

Extras

- Laser designator and flashlight for your convenience with the option to flash “SOS” in Morse code in case of emergency.
- Calendar
- Local and international weather information
- Wikipedia
- Maps
- YouTube
- eBay
- Alarm clock
- Calculator
and more...