MTX K9

By CAYLAR INSTRUMENTATION SCIENTIFIQUE

MTX-HARNESS

Multimodal communication harness

The MTX-K9 harness is an innovative communication device based on vibration transmission. Designed for use by dog-handlers, but also in the fields of guide dogs, security and rescue, it enables an intuitive language with the dog, guiding it at a distance and in complete discretion.

Voiceless communication

Vibration modules on the back, sides, chest, and collar create a rich and varied tactile language, by stimulating different areas or displaying rhythms or vibratory movements. The elongated shape of the vibrators ensures a clear tactile feel, transmitting the vibration through the coat to the skin.

The vibratory sequences are triggered remotely by the dog handler, with Bluetooth or radio communication and a specific application on a smartphone or tablet.

Multimodal communication

Tactile communication can also be enhanced by the transmission of recorded voice commands through two loudspeakers located on the front of the harness. This dual mode of communication enhances the dog's understanding of the commands and facilitates learning.

Remote tracking

The harness is also embedded with a GPS and a motion sensor to track the dog's location, orientation and posture, without direct eye contact. This information can be retrieved by the owner on the application. It can also be transmitted in a vibratory manner on an MTX-Belt, in order to follow the dog's movements while keeping an eye on the environment.

Technical specification	
Vibratory modules	17 modules (68 vibrators)
Vibrator type	Eccentric rotating mass, 150 Hz Cylindrical (L = 15 mm, d = 5 mm)
Audio	2 stereo speakers
Range	Bluetooth: 100 m Radio: 400 m
Sensors	GPS, 9-axis inertial unit (accelerometer, gyroscope, magnetometer)
Power supply	Powerbank 5V 10000 mAH
Autonomy	40 hours (without vibration) 10 hours (continuous vibration)
Textile cover	External: PU coated synthetic fabric Internal: synthetic mesh
Weight	900 g (with powerbank)
Dimensions	Made-to-measure

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