



DATASHEET LETismart TAG PERSONAL TRAINER – P/N° 7V2475.48



RECOMMENDATIONS

- For a correct use it is required a proper training by a qualified Orientation & Mobility specialist
- Any replacement, updates, installation or maintenance must be carried out by an authorized LETismart service center

DID YOU KNOW...

The TAG PERSONAL TRAINER is the PERSONAL device of the innovative LETismart system, that allows communication between radio (Letismart TAG) and the white cane Letismart VOICE, usually supplied to blind/visually impaired citizens.

Bi-directional communication allows the user to receive audio information (such as address and civic or any custom name or phrase) from the cane, about the pole or the building equipped with the Letismart system and it INTERACT with the beacon itself. The system allows to activate the directional sound of the beacon to guide the user to the exact point.

The radio interface sends the encrypted communication on the Lora band at 868mhz to make the system safe and it uses a dedicated protocol to avoid overlap between the devices.

The electronics is the result of a precise and in-depth engineering study, that has led to a significant reduction in the electrical consumption of the device. Lastly, the TAG is configurable: we can choose the visibility on all the canes we prefer (ex. friends and colleagues).

SUPPORTED LANGUAGES



TECHNICAL FEATURES

Battery	2 non-rechargeable 1.5V AA batteries
Ignition	ON/OFF switch
Consumption	12mW
Radio connection	Wireless LoRa
Transmission band	ISM – 868MHz
TAG sound system	buzzer integrated into the circuit with directional sound to reach the TAG
Buzzer volume level	Configurable (Max 69db/m without box)
Buzzer sound frequency	2730Hz
TAG recognition mode from the VOICE cane	Any mode
Size & weight TAG	65x68x19mm & 85gr (batteries included)
Operating temperature	-10°C, +60°C
Material / Color	Plastic in black ABS

QUICK GUIDE



When the TAG is ON, press the button in the compartment; a sound signal will be activated to indicate the activation of the ASSOCIATION mode.



Each cane in close proximity will detect the presence of the TAG in ASSOCIATION mode. Press the P2 button of the cane twice to confirm the pairing.



The TAG will emit an acoustic signal to confirm the association.

COMPLIANCE

- **2014/53/EU RED** relating to the making available on the market of radio equipment.
- **EN 300 220-1 SRD + EN 300 220-2 V3.1.1** operating in the frequency range 25 MHz to 1000 MHz.
- **EN 301 489-1** Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services.
- **EN 301 489-3** Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz.
- **EN 60950-22:2006 + AC:2008** Information technology equipment - Safety - Part 22: Equipment to be installed outdoors.
- **EN/IEC 62368-1:2014 + AC 2015** Audio/video, information and communication technology equipment - Part 1: Safety requirements.
- **EN/IEC 60529:1991** Degrees of protection provided by enclosures (IP Code).
- **EN/IEC 62479:2010** Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz).
- **IPC A 610 G Class III** assembly standards, ESD conformity CEI EN 61340 5 1, J STD 001 and J STD 033.
- **2015/863/EU RoHS III** (leadfree) Directive.
- **Reach 1907/2006/EU_reg453/2010/UE SVHC** art31 Registration, Evaluation, Authorisation and Restriction of Chemicals.
- **Conflict Minerals Policy Statement.**