

MAMBO2 Indoor tracking

Introduction

By means of the GPS receivers available at present tracking of vehicles and persons in open areas constitutes no problem. But tracking inside buildings can be problematic, as the GPS signals are too weak to penetrate roofs and the facades of houses. However, in order to find persons or autonomous robots inside of buildings,

FALCOM has developed MAMBO2 equipped with an IEEE 802.15.4 module. By means of this instrument and the sensors distributed inside the respective building, persons and objects can be located. No searching, no unnecessary telephoning any more - a web-frontend will give information on the present location.

The setting up of the FALCOM Indoor tracking is very easy indeed: Depending on the size of the room (storage hall, canteen, office) the relevant number of sensors have to be installed, the web-frontend to be fitted – and nothing will stop tracking inside your building.

Technical specification

Wireless standard:	IEEE 802.15.4
Frequency:	2.4 GHz
Range:	100 m (LoS)

IEEE 802.15.4 Sensor network

Web-frontend for tracking

Indication of whereabouts also in MAMBO2

Adjustable transmitting power of the indoor ID-Sensors

Paging function dependent and independent of (indoor) room / group information via web-frontend

