



**Smart BT Dongle
for Digitax Taximeter**



Digitax
AUTOMOTIVE ELECTRONICS

Smart BT Dongle for Digitax Taximeter

The **Digitax Smart BT Dongle** allows a real-time transmission of data from the taximeter and an external device connected through a Bluetooth Low Energy interface.

To make the application development easier and faster, a complete **SDK** is provided which manages all the phases and critical procedures of communication and data exchange between the two devices.

Using the combined functionality of the **BT Hardware** and the software package it will be possible to easily receive the messages coming from the taximeter, decode them, check their validity and use them within the application.



Digitax
AUTOMOTIVE ELECTRONICS



Hardware Description

Smart BT Dongle for Digitax Taximeter

The **Digitax Smart BT Dongle** features an automotive grade power supply directly controlled by the taximeter. For the installation is required to connect only one cable from the taximeter which will be used both for power input and for data exchange. To increase safety and avoid excessive battery consumption, the power status of the **BT Dongle** follows the status of the taximeter: when the taximeter is off, the BT dongle can also be turned off (programmable).

When the taximeter is switched on again, from ignition input or movement of the vehicle, the device will automatically be awakened and will be operative again.

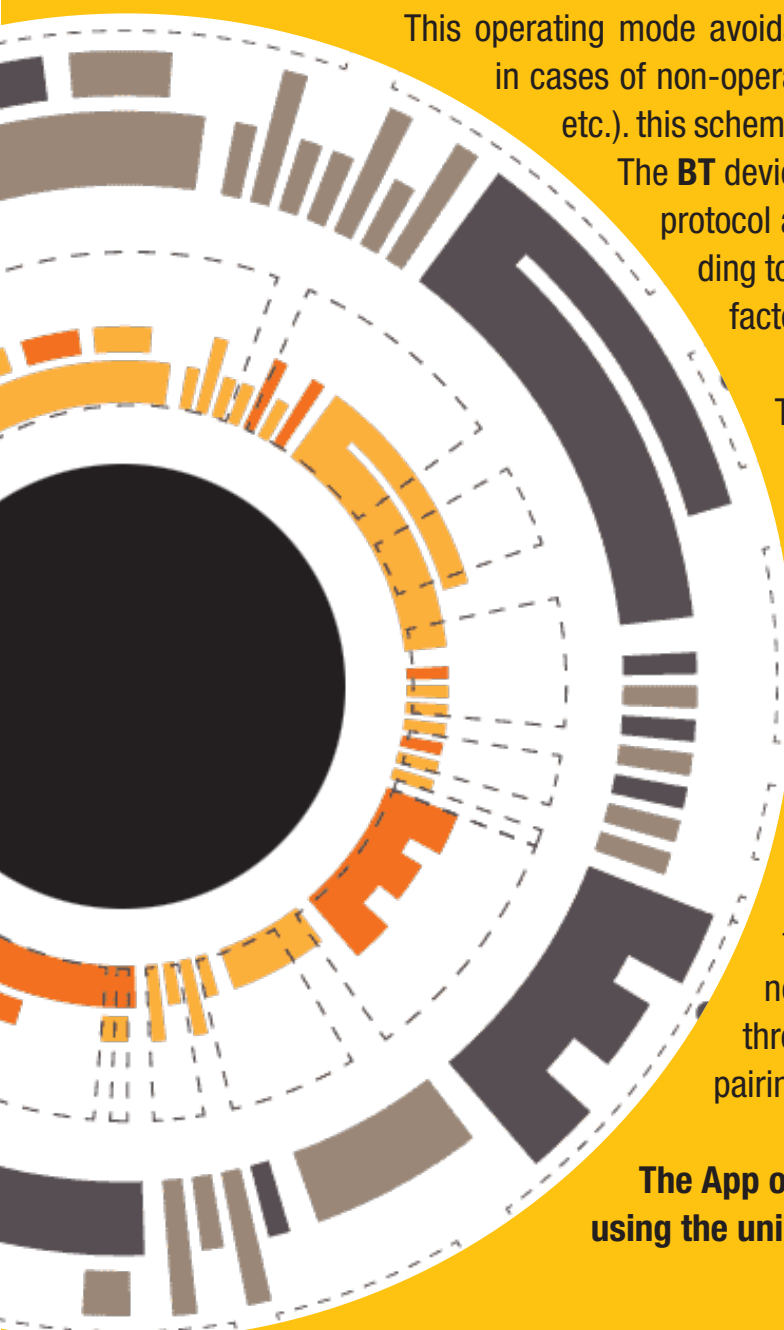
This operating mode avoids excessive consumption from the vehicle's battery in cases of non-operating system (periods of non-work, holidays, parking etc.). this scheme of operation is also customizable on specific request.

The **BT** device is Compliant with the v4.2 version of the Bluetooth protocol and can work in Class-1, Class-2 and Class-3 according to its software configuration (established at the time of factory programming).

The transmit power is +12 dBm, the receive sensitivity is -94 dBm and has Adaptive Frequency Hopping (AFH). The electronic device is included in a "semi-transparent" container from which it is possible to see the status of two internal LEDs useful for simplifying the installation and first configuration phases. The flashing of the Orange LED indicates that the device is in advertising mode and therefore accepts the connection request from the previously paired device.

Once the connection is established, a LED lights up to indicate the link between the device and Smartphone. The device also has an internal button (reachable through a small hole) with which is possible to start the pairing procedure with the paired device at any time.

The App on the mobile device will perform the pairing using the unique code printed on the back of the Dongle.





Digitax
AUTOMOTIVE ELECTRONICS



Microsoft Partner
Silver OEM Hardware

Digitax Italy Headquarter

Via dell'Industria 16 - 62017 Porto Recanati (MC) - ITALY

Phone +39 071 7590984 r.a. - Fax +39 071 9797405

E-mail info@digitax.com - Web www.digitax.com

GPS: 43.412423,13.654716

Digitax España

C/Tomás Bretón, 7
28045 - Madrid
SPAIN
Phone +34 902366292
Fax +34 915271562
Web: www.digitax-es.com
E-mail: info@digitax-es.com

Digitax Electronincs U.K.

Smokehouse, 31
Tanners Bank North Shields
Tyne & Wear NE 30 1 JH
ENGLAND
Phone +44 (0191) 296 1294
Fax +44 (0191) 257 8438
Web: www.digitax.net
E-mail: digitaxuk@aol.com

Digitax Deutschland

Taxitech Handelsges. mbh
Sommerkamp 31a - 22335
Hamburg
GERMANY
Phone +49 40 555 05540
Fax +49 40 555 05530
Web: www.digitax-de.com
E-mail: digitax@taxitech.de

Digitax Nederland B.V.

Postbus 84112
3009 CC ROTTERDAM
HOLLAND
Phone +31 10 4512121
Fax : +31 10 4500453
E-mail: h.wittenberg@planet.nl
E-mail: info@digitax.nu

Digitax CO. Mauritius

P.O. box 775
Bel Village
MAURITIUS
Phone +230 234 4533/4936
Fax +230 234 5866
Web: www.mtl-co.net
E-mail: mtlts@intnet.mu