INTERFACOM, S.A.



Toolkit TK10

USER MANUAL

Índice

1.	Lo	gin 2			
2.	Ар	Aplication update2			
3.	ТК	TK10 functionalities			
4.	Dis	Discover TK105			
5.	Sea	arch devices5			
6.	Re	gister taxi6			
	6.1.	Create new fleet			
	6.2.	Search fleet9			
7.	Со	nection to device9			
8.	De	vice screen			
	8.1.	General information			
	8.2.	Tariffs list			
	8.3.	Load tariff 11			
	8.4.	Metrological operations			
	8.5.	Configuration14			
	8.6.	SAM/SIM configuration			
	8.7.	Tickets			
	8.8.	Check status			
	8.9.	Tools			
	8.10.	Reset device			

To download the application, you must surf throw smartphone/tablet by taxitronic web. You must be registered as distributor. In support's site, is available a link to download toolkit.

To use the application you must have a minimum android's version 5.0. When you update to new application's version, if you have an android's version upper than 6.0, you must allow the mobile to access to unknown sources and access to data warehouse.

1. Login

To login, you must introduce user and password provided by interfacom (customer support/commercial department.



2. Aplication update

If there is a new application's version, when you login, a screen will appear showing that aplication's version is obsolete and is not possible to work without update. Pressing the

UPDATE button



In case of you don't have wifi activated before the actualization, it will ask you if you want to connect to a wifi network



It downloads the update showing a progress bar and also the download data, total download's data and percentage.



Once downloaded, asks if you want to install



3. TK10 functionalities

The device includes a charging USB and leds that indicate the different operatives .



- On/ Off button: the device turns on when the button is pressed with a brief press. To turn off the device, the button has to be pressed during 5 seconds.
- Status led: if this led turns on (green) indicates the device is on, if it is not turning on, indicates the device is off. In case of being turned on, there are three functionalities:
 - Long equal duration flickers between on and off: means the device is turning on.
 - Fast flickers with long on and short off: means the device is connecting to the Android device by Bluetooth.
 - Constant lighting: means the TK10 is on and ready to connect by Bluetooth. If the TK10 is disconnected to the Android device, after a minute the device will be automatically turned off.
- Charging led: If this led is turned on (red) indicates the TK10 is charging.
 - TK10 must be charged between 0.5A 2A.
 - The charging period is 2 hours.
 - The battery life is about 7 hours.

4. Discover TK10

Once logged in, the application will search all the nearby TK10 devices it can be connected to. The devices list can be refreshed by pressing the there is a device which has been previously linked to, it will be shown in the "last device" section.

■ Discover TK10	Φ	:
)	
LAST DEVICE		
TK10-000100 PIN: 037667	Paired	~
DISCOVERED TK10		
TK10-000100 PIN: 037667	Paired	~
TK10-000221 PIN: 037253		

If you do not want to load any tariff nor manage the data of the TK10, by pressing the work WITHOUT TK10 button will be shown the device searching screen.

≡	Devices	¢ :
LAST	DEVICE	
	81-00000111 036156	Paired 🗸
DISCO	VERED DEVICES	
	8A-00000118 026092	
	81-00000111 036156	Paired 🗸
	81-00000114 044829	
	G-00001310 021005	
	0-00004055 054559	
	G-00000139 049959	

5. Search devices

Whether a specific TK10 has been selected or the work without TK10 button has been pressed, the application will search all the nearby TK10 devices it can be connected to. The devices list can be refreshed by pressing the $\$ button or sliding the screen down. If there is a device which has been previously linked to, it will be shown in the "last device" section.

■ Devices	* के .d 16% II 12:10 ♦ :
LAST DEVICE	
BG40i-00013807 PIN: 032337	Paired 🗸
DISCOVERED DEVICES	
SKYG-00000177 PIN: 034661	

By pressing E button you enter the aplication's configuration menu giving the options of: device's search, settings (where you can change the language), register taxi, change password and logout.



By pressing i button you can filter by device's type or unpair all the taxitronic's Bluetooth devices which the app has saved in the telephone's memory.

■ Devices	Unpair all
LAST DEVICE	Filter by type
URB1-00000111 PIN: 036156	Paired 🗸
DISCOVERED DEVICES	
URBA-00000130 PIN: 012368	

6. Register taxi

Allow to create a new fleet or search it in alfa



φ

6.1. Create new fleet

You shall introduce fleet's basic data

■ \$ \$
\equiv Register Taxi ϕ
Fleet Data [1/2]
License owner
Fiscal ID
Cancel
Next

By pressing next you access to form where you shall introduce localization's data and fleet's contact data

≝ ੈ * }≷\$ੇ ਨੂੰ _ । 70% ∎	8:58	ש א ≀≋≀ ז ₁ו 70% ש
\equiv Register Taxi	Φ	≡ Register Taxi
		City
Fleet Data [2/2]		Zip Code
Address		
		Phone
imber		
		Mobile
		E-mail
ode		
ne		
		Previous
		Next

By pressing next you access to form where you shall introduce SmartTD user's data and vehicle data.

באון איז <mark>און און אווי אווי אווי אווי אווי</mark> אווי צ	» 💼 8:59	} 	🐔 📶 70% 🔳 8:
≡ Register Taxi	Φ	≡ Register Taxi	Ģ
		Make Abarth	
/ehicle Data		Model	
SmartTD User			
SmartTD password vtDl		Driver Data	
icense		3107	
Cense		Name	
Plate		Yfgjbfghb	
Make		Previous	
Abarth	•	Submit	

By pressing submit it creates fleet in alfa with car and driver. Appears a screen in which allows add new vehicle, new driver, create new fleet or search fleet



6.2. Search fleet

Allows to search fleet by Fiscal ID

	* 1×13	ıı¶ 69% 💼 8:59
=	Register Taxi	φ
Searc	h Fleet	
Fiscal	ID	
	Search Fleet	
	Search Theet	
	Cancel	
Resul	ts	

7. Conection to device

The first time that aplication connects with a device, it will appear a screen to put device's PIN. This process will be automatically and the screen will disappear in a few seconds, without PIN introduction's necessity. In case of screen won't disappear, the PIN will be under every device.

- B	⊒ 🛱 🔰 🕺 i¥i 🛜 📶 26% 🚊 17:22		
Enter PIN	Bluetooth pairing request Enter PIN to pair with SKYG-00000177 (Try 0000 or		
B SK12-0000 F77 (Hy 0000 6F P (Try 0000 or 1234) S [] PIN containing letters or symbols Enter PIN on other device as		ymbols	
B040 00000	CANCEL OK		
1	2 авс	3 DEF	
4 вні	5 JKL	6 MNO	
7 PORS	8 TUV	9 wxyz	
	0	Done	

Once connected, if device isn't linked to a SmartTD user, a screen will appear to login as user or register

If the taxi driver comes from a fleet, he must use the same SmartTD user



8. Device screen

← Detail	
🔋 ТК10-000100 🛛 🥶 5	66% 📒
General information	\sim
↓ Tariffs List	>
€ Load tariff	>
Configuration	>
E Metrological Operations	
SAM/SIM Configuration	
Tickets	>
➡ Check status	>
🔧 Tools	>

If there is a TK10 connected, its information will be shown in the main screen. The information displayed is the following:

- TK10-000100 Shows the serial number of the TK10 linked to.
- Gos Shows the number of the available loads assigned to the TK10 linked to.
- 66% **Shows the charging level of the TK10 linked to**.

8.1. General information

You can consult the device model and its firmware version



Pressing the SmartTD user, the login screen will appear allowing to change the SmartTD user.

8.2. Tariffs list

Allows to visualize the areas of the tariffs the workshop has access. Once an area has been selected, the downloading information is displayed. If the tariff has not been previously downloaded, it can be downloaded by pressing it

SELECT AN AREA	SELECT A TARIFF		
ABANILLA	AGUILAS AGUILAS (FRAN) LI APC		
ADEJE	TX80 2021-11-04 37091		
AGAETE	TARIFF DOWNLOAD		
AGRAMUNT	TARIFF NAME : TN037091		
AGUILAS	TARIFF NUMBER : 037091		
	DOWNLOAD		

If the tariff is downloaded, it will be displayed with the icon.

8.3. Load tariff

Allows to load into the taximeter the tariffs previously downloaded in the TK10

SELECT FILE

TN036617 Cordoba (Asoc) CH L.I. 2021 TFIJA

TN036844 Utrera (Berto) L.I. SOS



SELECT	
CLOSE	

Once the tariff is selected, the "metrological operations" are enabled before loading the tariff, or it can be loaded directly.

8.4. Metrological operations

Allows to acces to the metrological operations.

×	Metrological operations	
5	Set taximeter date and time	>
K	Set taximeter constant	>
繱	Set taximeter parameters	>
	Set serial numbers	>
E	Delete taximeter totalizers	>
?	Set taximeter passwords	>

• Set taximeter date and time

The date and time are updated in the taximeter with the configured parameters of the android terminal, where the toolkit has been installed on

• Set taximeter constant

Allows to set the constant k manually or pulses/distance.

- To set the constant manually, the Calculate constant automatically field must be disabled.



If this option is disabled, the constant K can be directly set in the "CONSTANT K (imp/km)" field. To save the new constant into the taximeter, the "set constant" button must be pressed.

- To calculate the constant, the 🗹 Calculate constant automatically field must be enabled.

Once enabled, a route must be done, the meters have to be filled in the field "distance (m)"

SET CONSTANT		
PULSES COUNTER:	0	
DISTANCE (m):	0	
	CALCULATE CONSTANT	
CONSTANT K (imp/ km):	1000	
SET CO	DNSTANT	
Calculate constant automatically		

Press the "calculate constant" button, when the route is done and the distance is filled, to calculate the constant at the "CONSTANT K (imp/km)" field. To save the new constant into the taximeter, the "set constant" button must be pressed.

• Set taximeter constant

Allows to configure the different device installation elements (Pulse generator type, pull ups trigger, roof light, printer and data transmissions)

PULSE GENERATOR			
Analógico	O CAN CIA447		
PULL UPS			
O None	O Both		
O Pull up	O Pull down		
TRIGGER			
TRIGGER (500-2000)	1000		
ROOF LIGHT			
O Parallel TX80	O Parallel not verified		
O Saludes serial	O Parallel France		
O TL70	O CAN -> Parallel		
PRINTER			
O None O IR32/IR80 O Integrated			
TRANSMISSIONS			
O None O BI	T40 O TL70B		
O TX80 Display	O TD30		
SAVE PAR	RAMETERS		

In the data section, the "TX80 Display" option includes the following devices:

- Skyglass
- Urba
- Urba ONE
- Sherpan

• Set serial numbers

Allows to assign the serial number of the devices and link them if the taximeters displays E-NS (serial number error)

SET SERIAL NUMBER		
BLUETOOTH	111	123456
TAXIMETER	111	12345
	SEND	

The Bluetooth devices are considered the devices through the transmissions are sent:

	Bluetooth	Taximeter
-	BT40 (BG40, BG40i)	- TX40
-	TL70B	- TX80
-	Skyglass	

- Urba
- Urba ONE
- Delete taximeter totalizers

Allows to delete both, the partials and the totals.

• Set taximeter passwords

Allows to set the passwords of the taximeter to use it.

SET TAXIMETER PASSWORDS		
ERASING TOTALIZATORS		
OFF TO VACANT		
STOP DATE		
SET PAS	SWORDS	

- Erasing totalizers: Sets the password for erasing totalizers
- Off to vacant: Sets the password for off to vacant
- Stop date: sets the password for unlocking the taximeter once the stop date is exceeded

8.5. Configuration

Allows to choose a configuration and modify some specific parameters of every single taxi. In case of configuration doesn't allow changes in parameters, this configuration will be automatically saved in the taximeter.

4	\$ 1841 7	° .₁ 69% ∎ 9:0
← Detail		
0.35		
Configuration	n type	
Alemania		
O Barcelona		
O Generico		
O Madrid		
	CANCEL	CONFIRM
Configuration		



• Time control

In some cities the regulation provides for a number of different hours for 1 driver license and 2 drivers licenses. In this case, you can indicate here the number of taxi drivers that will use this device

Allows to indicate restrict weekdays. The time control will prevent the taxi from working that day, therefore it is necessary to configure restrict days if the city time control regulations require it. Otherwise, leave it empty.

	.nt 69% 着 9:02
X Configuration	8
Time control	^
Number of drivers	
1	\sim
Restrict weekday	
Monday	0
Tuesday	0
Wednesday	0
Thursday	0
Friday	0
Restrict weekend	
Even	0
Odd	0

The same regarding weekends. In some cities the time control regulation requires that each taxi can work on alternate weekends, preventing work on weekends out of shift. At this point you can choose if the taxi driver has weekend off even or odd

• Prima

Allow to activate or desactivate the working of prima

It is necessary to configure ID prima company.

The next prima shift can be established. In case of a devices re-installation after a failure, it is necessary to verify wich is the last prima shift, and configure here the next shift.

If there is Prima configured, and you want SmartTD to always receive the amounts made by the taximeter, activate the option "Block SmartTD".

	🔹 🕅 🏦 👔 🛔 🕸
X Configura	tion 🖬
Time control	\sim
Prima	^
Enabled	•
Company ID	
Shift number	
Block without Smart	тр

• Insika (Fiscal control of Germany)

Allows to choose the insika services provider

- 5	_ ∦ }≷} ≩ _₁ 25% 📕 17:25
X Configurati	ion 🖻
Time control	~
Prima	~
Insika	^
O NO	
O TAXITRONIC PRI	MA
O TAXIWIN	

Once selected all the parameters, press **a** button to send data to device. This process may take few minutes and the progress can be watched by a progress bar and a percentage. Once finished the progress the application return to link with device. The selections can be rejected by pressing **x** button and returning to main device screen.

8.6. SAM/SIM configuration

Allows to check SIM and SAM status, showing if the card is or not inside the slot and if PIN is correctly configurated. If the PIN is not configured, you can set up it.



8.7. Tickets

Allows to introduce the unpredefined tickets lines by tariff. When you login the taximeter full fields will be readed by application. To erase the fields press student button.

In case of you use SmartTD, these parameters are irrelevant, because when you will link, SmartTD data will prevail.

X Tickets	
	 Image: Image: Ima
Name	
Fiscal ID	
License	
License plate	
Header line 1	
Header line 2	
Header line 3	
Header line 4	

Name (24 characters max)

Fiscal ID (16 characters max)

License (12 characters max)

License plate (12 characters max)

6 Header line (24 characters max)

6 Footer line (24 characters max)

10 Generic texts (24 characters max)

Once all parameters have been selected, press 🖬 button to continue and return to main device screen. Pressing 🗙 button you can also cancel the selections and return to main device screen .

8.8. Check status

Check status allows to check GSM basic information and status, GPS and printer



By pressing menu or sliding the screen down, you will see further options:

• Configuration: Shows taximeter configuration parameters

	🕈 🛜 📶 27% 📕 9:42
X Configuration	
Connection	\sim
Prima	\sim
Insika	\sim
Time control	\sim
Tracking	\sim
Clock	\sim
Keyboard	\sim
Blocks	\sim

• Firmware update history: Shows all updates report

₽		≉ 🛜 .d 27% 🗎 9:42
÷	Firmware u	pdate history
Firmv	vare: V-02.08	Checksum: 9E02
Date:	08/05/18	Operator: K

• Tariff update history: Shows all updates report.

- 20	\$ 🔋 ۱۱ 🛣 🕈 🛔 🕸
← Tariff upo	late history
Number: T-CDAB	Checksum: 17F0
Date: 08/05/18	Operator: u

• Constant update history: Shows all updates report.



• Debug: Shows the selected logs in real time and allows you to send them to support



8.9. Tools

Allows to erase all the save data in the flash memory that are pending to send



8.10. Reset device

Allows to reset the device



At the end of this process, it returns to the device screen.