

CONNECTION TO THE ITS ONLINE TIMING SERVER

The ITS ONLINE TIMING server enables instant transfer of all timing data without any distance limitations via the GSM network.

This allows multiple timing devices (start, finish, intermediates, etc.) to communicate and also enables retrieving data on a timing software connected to the GSM server.

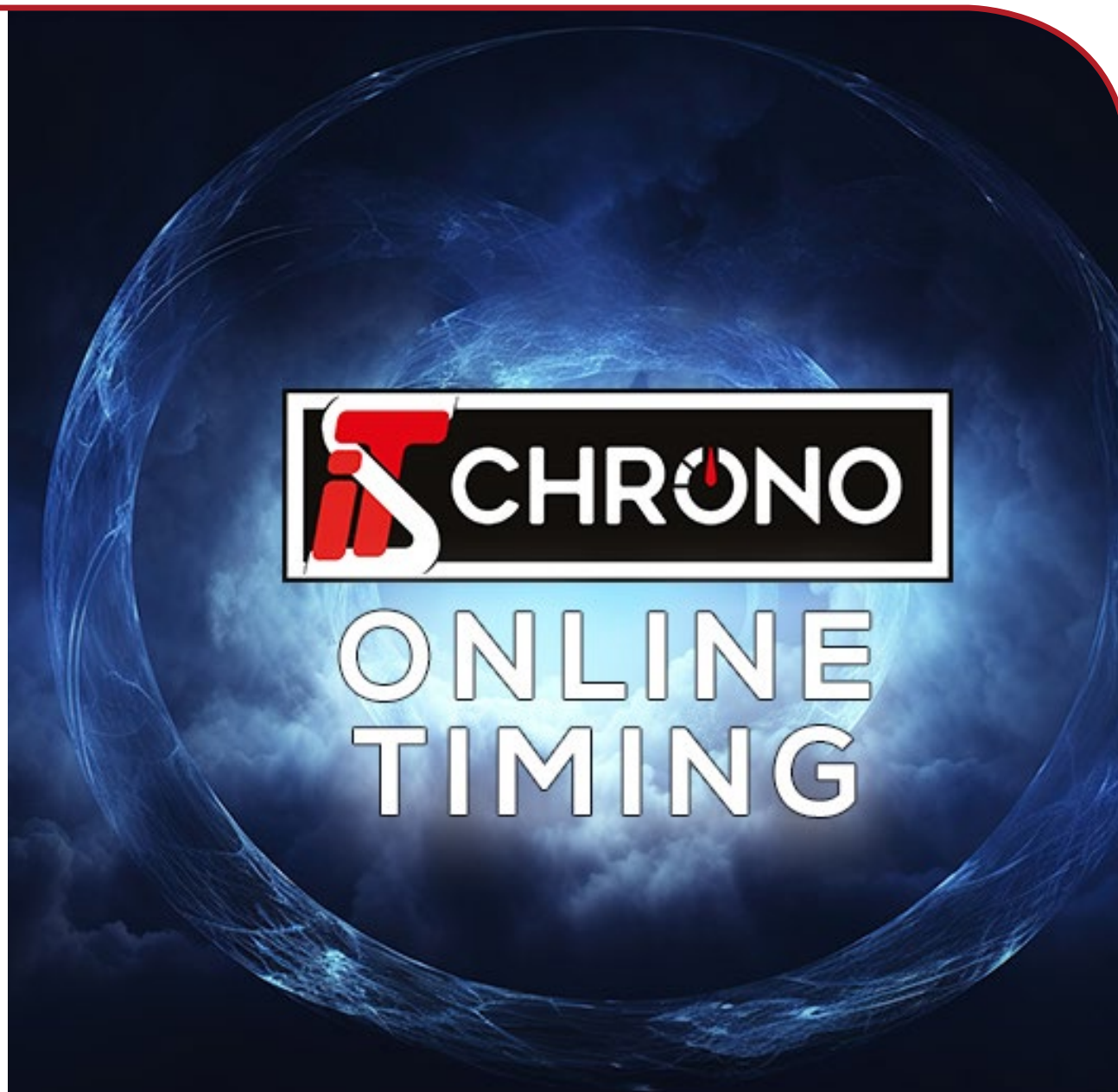
This guide explains how to configure the ITS ONLINE TIMING server and link it with timing software supporting the ITS or TAG Heuer Timing protocol.



CONNECTION TO THE ITS ONLINE TIMING SERVER

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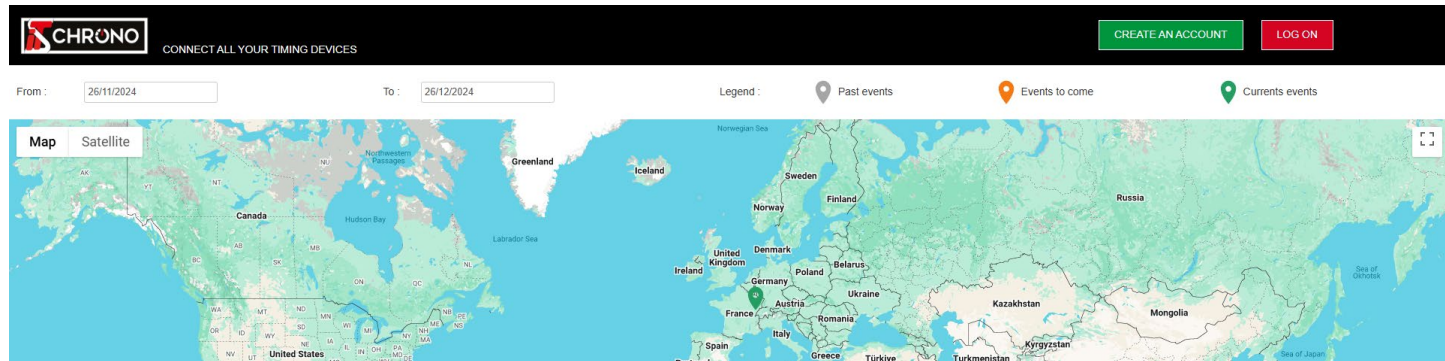
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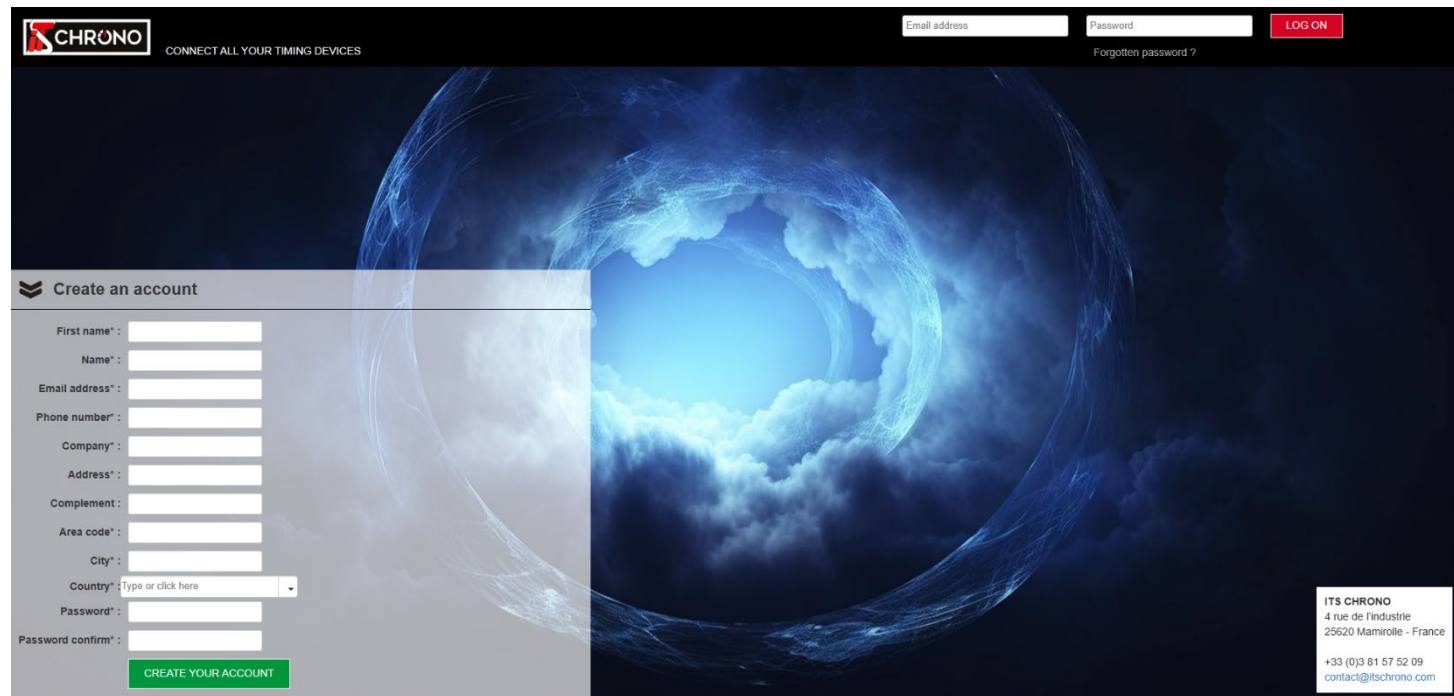
CONNECTION TO THE ITS ONLINE TIMING

CONNECTING TO THE SERVER

Access the online server through your web browser at online.itschrono.com to create your personal account



Fill in all the required information to complete your account registration

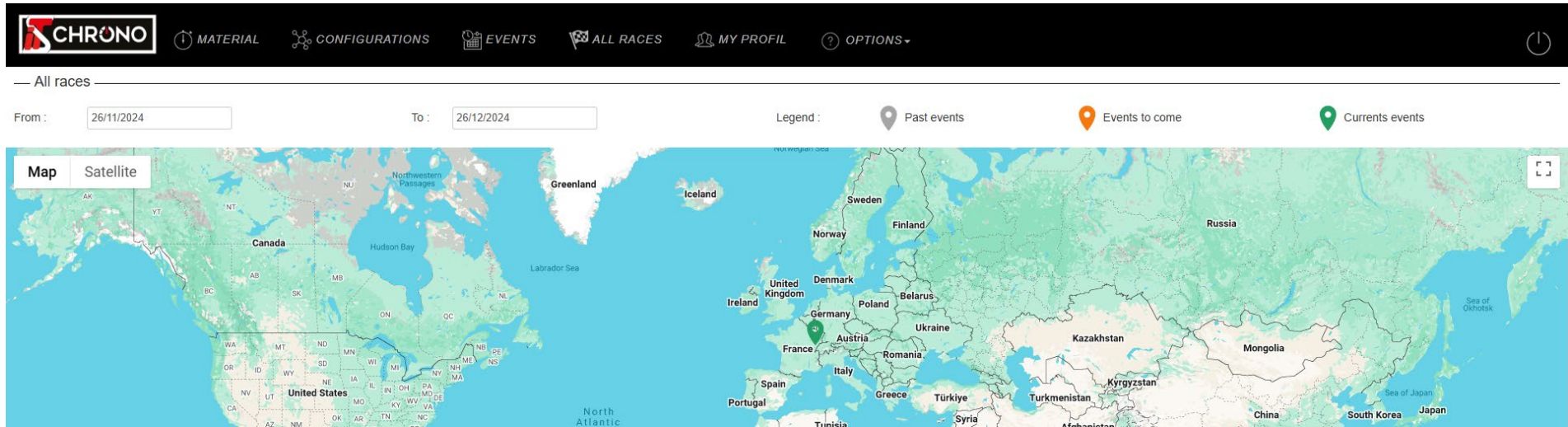


CONNECTION TO THE ITS ONLINE TIMING

PERSONAL DATA INPUT

Once your account is created, you will have access to the following sections :

MATERIAL - **CONFIGURATION** - **EVENTS** - **ALL RACES** - **MY PROFIL** - **OPTIONS**



Navigate to **MY PROFILE**, then **TIMER ID**, and complete your personal information these details are crucial for accessing the server from your devices, including the TM550 application, GSM Docking via GPRS Settings, GSM Interface for linking with timing software.

GENERAL **TIMER ID** SUBSCRIPTIONS

Username :

Password :



CONNECTION TO THE ITS ONLINE TIMING

LINKED DEVICES

This step consists of informing the various devices which will be connected to the GSM server.

Go to the **MATERIAL** tab and add your timing devices and/or PCs.

STOPWATCH INFORMATION

Material type :*	Time Master x
Model :*	TM550 x
Color :	Blue x
Serial number :*	0084

PC INFORMATION

Material type :*	PC Windows x
Model :*	Computer x
Color :	Green x
Serial number :*	1007

TM550 SERIAL NUMBER ENTER A **4 DIGIT NUMBER**

PC SERIAL NUMBER ENTER A UNIQUE 4 DIGIT NUMBER NOT ALREADY USED BY ANOTHER DEVICE

THE ARROWS IN THE CONFIGURATION ALLOW YOU TO SELECT THE DIRECTION OF THE DIALOGUE BETWEEN THE DIFFERENT DEVICES

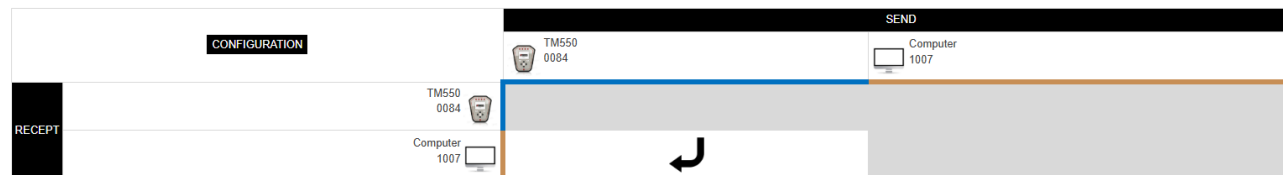
CONFIGURATION

Once the devices have been added, you can move on to the **CONFIGURATIONS** tab.

This section consists of creating a configuration to define which device sends and/or receives information via the GSM server.

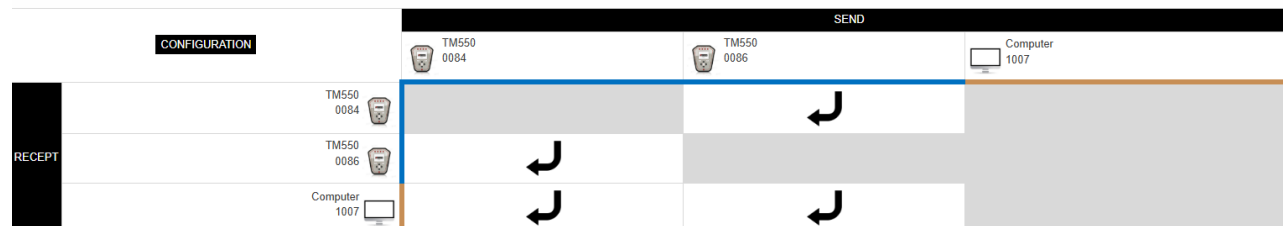
For the configuration below, there is a TM550 stopwatch and a PC selected. It is the TM550 which sends the information to the PC.

Material type	Model	Serial number	Color	
<input checked="" type="checkbox"/>	Time Master	TM550	0084	Blue
<input type="checkbox"/>	Time Master	TM550	0086	Blue
<input checked="" type="checkbox"/>	PC Windows	Computer	1007	Green



For the example below, we have 2 Stopwatches, 1 for the departure and 1 for the arrival, in order to allow the transmission of times between the departure and the arrival and also a PC Interface in order to receive all the frames on timing software (via GSM Interface).

Material type	Model	Serial number	Color	
<input checked="" type="checkbox"/>	Time Master	TM550	0084	Blue
<input checked="" type="checkbox"/>	Time Master	TM550	0086	Blue
<input checked="" type="checkbox"/>	PC Windows	Computer	1007	Green



CONNECTION TO THE ITS ONLINE TIMING

EVENT CREATION

The last step to do on the ITS ONLINE TIMING server is to create the event, which is done via the EVENTS tab. To do this, simply provide the requested information.

PouFor the **ACTIVATE CONFIGURATION** field you must select the configuration created previously (you can subsequently have several configurations to select as needed). At the bottom of the page you will have a reminder of the selected configuration.

ATTENTION : Be sure to enter the date of your event correctly, once the date has passed, your event will no longer be accessible from the devices.

Test : Non

Name :

Start date :

End date :

Start country :

Start city :

Time zone :

Activate configuration* :

Event URL :

Live timing URL :

MATERIAL LIST

<input type="checkbox"/> Label	Model	Serial number	Color	Timekeeping	Phone number	Software port
<input type="checkbox"/> Time Master	TM550	0086	●			7000
<input type="checkbox"/> Time Master	TM550	0084	●			7000

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CONFIGURATION

RECEIPT

SEND

Model	Serial number	Color	Timekeeping	Phone number	Software port
TM550	0084	●			7000
TM550	0086	●			7000

GENERAL **DATA**

Automatic refreshing : Yes Configuration :

DATA LIST

Date	Model	Serial number	Model	Serial number	Message	Acknowledgment	Reason	Send
28/11/2024 13:50:22	TM550	0086	TM550	0084	1 1 00:00:11 62000			✓
28/11/2024 13:50:22	TM550	0086	Computer	1007	1 M2 13:50:23.98600 9098			✓
28/11/2024 13:50:22	TM550	0086	TM550	0084	1 1 M2 13:50:23.98600 9098			✓
28/11/2024 13:50:22	TM550	0086	Computer	1007	1 1 00:00:11 62000			✓
28/11/2024 13:50:16	TM550	0084	TM550	0086	1 1 M1 13:50:12.36600 9098			✓
28/11/2024 13:50:16	TM550	0084	Computer	1007	1 1 M1 13:50:12.36600 9098			✓
28/11/2024 13:49:29			TM550	0086	Test serveur			✓
28/11/2024 13:49:29			TM550	0086	Hello ITSCHRONO			✓
28/11/2024 13:49:28			TM550	0086	ITS ONLINE TIMING			✓
28/11/2024 13:49:28			TM550	0086	1			✓
28/11/2024 13:47:46			TM550	0084	Hello ITSCHRONO			✓
28/11/2024 13:47:46			TM550	0084	ITS ONLINE TIMING			✓

The DATA tab at the top right of the screen allows you to see if your device is connected to the server and also an acknowledgment of receipt of all frames.



CONNECTION TO THE ITS ONLINE TIMING

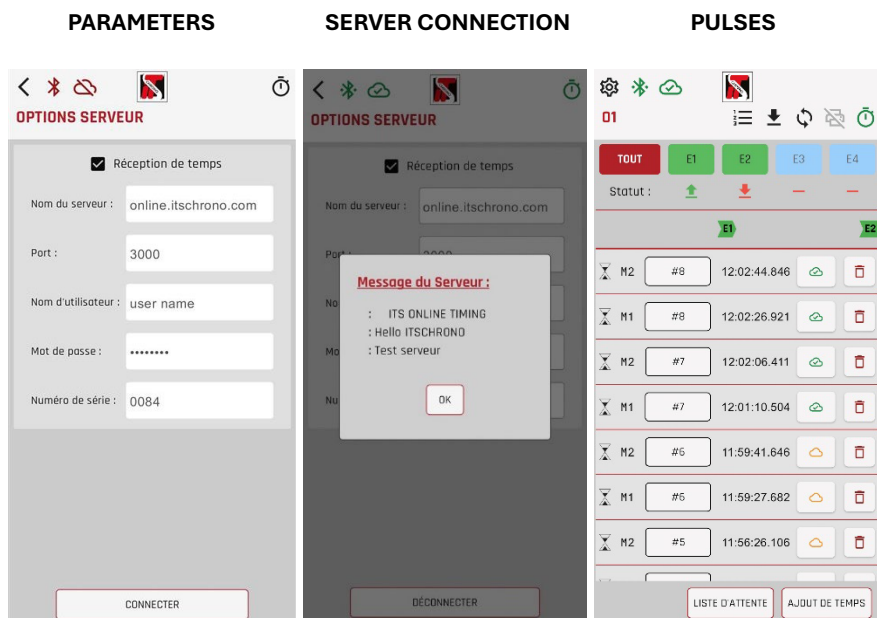
FINALIZING CONFIGURATION

All the configurations of the GSM server having been made, you can now configure your devices in order to connect to the server and make sending information possible.

TM550 APPLICATION SETTINGS

The TM550 offers you the possibility to transfer all timing information with the simple use of its dedicated application.

Here's a quick explanation of how to do it :



NOTE : We invite you to consult the “TM550 application user manual” documentation for more details regarding its use and configuration.

Legend :

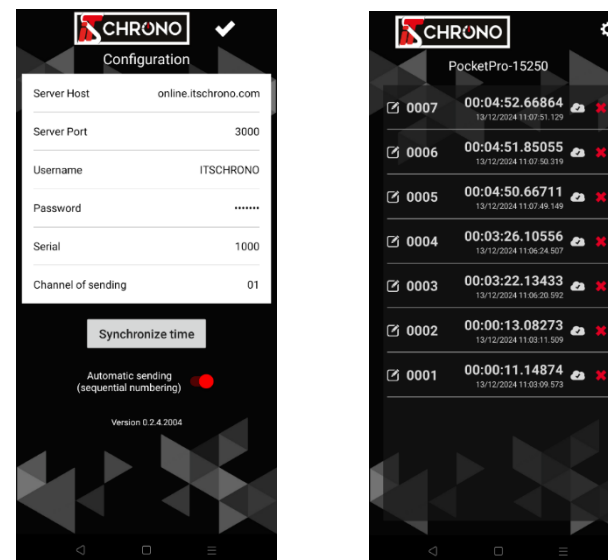
Domain / server name : Be careful to spell the name of the ITS server correctly : **online.itschrono.com**

Port : The default port of the ITS server is 3000 by default.

You must then enter the name and password of your **TIMER ID**.

POCKET PRO BLE APPLICATION SETTINGS

Using the Pocket Pro Bluetooth also allows you to synchronize frames via the ITS ONLINE TIMING server. The configuration remains identical to that of the TM550 application.



NOTE : The serial number of the Pocket Pro “Serial” must be a maximum of 4 digits (maximum number for a serial number in the ITS ONLINE TIMING server).

You must therefore “create” a serial number to enter in the application and in the server. Be sure to enter a number that is not used in another configuration.

In the example here, we have entered the serial number n° 1000.



GSM DOCKING PARAMETER WITH THE GPRS SETTINGS SOFTWARE

GSM docking allows you to transmit timing information from a stopwatch (TM550,CP545/40) via a wired connection between the two devices.

In order to establish the link between a GSM Docking (ITSDOCKING-GSM or HL540-GSM) and the ITS ONLINE TIMING server, you must configure the Docking(s) equipped with a SIM card via the GPRS Settings software.

The screenshot shows the GPRS Settings software interface. At the top, there is a 'Serial Port' dropdown menu set to 'COM5' and a 'Print Current Settings' button. Below this, there are four main configuration sections: 'Access Point 1', 'Access Point 2', 'Server 1', and 'Server 2'. Each section contains fields for 'Name', 'User ID', and 'Password'. The 'Access Point 1' section has 'Name' set to 'matooma.m2m'. The 'Server 1' section has 'Domain Name / IP' set to 'online.itschrono.com', 'Port' set to '3000', 'UserName' set to 'User Name', and 'Password' set to 'Password'. At the bottom, there is a 'SIM Balance Code' field and a 'Save New Settings' button.

The information to be provided is only that on the capture above.

Access point 1 will depend on the operator of your SIM card, each operator has its own “Access point Name” (APN).

In this example we used a Matooma brand SIM card which is a multi-operator card.

Other examples : Bouygues APN: mmsbouygtel.com / swisscom APN: gprs.swisscom.ch.

NOTE: We invite you to consult the “Docking Manual” documentation for more details regarding its use and configuration.

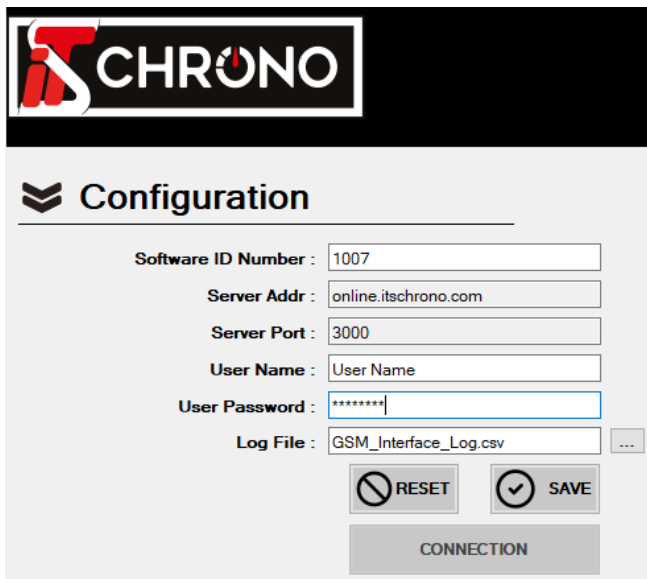
The GPRS Settings software can be downloaded from your account on the ITS ONLINE TIMING server in the ‘OPTIONS’ section, then ‘Firmware’.

ATTENTION: Some APNs have an ID and password (also public), so enter them in Access Point 1.

CONNECTION BETWEEN THE TIMING SOFTWARE AND THE ITS ONLINE TIMING SERVER WITH THE GSM INTERFACE SOFTWARE

For the timing software to receive the timing information, your PC must communicate with the GSM ITS server. To do this you must use the GSM Interface software. (Downloadable in the OPTIONS tab on your ITS server account.

Once downloaded, you must fill in the requested fields. The **Software ID Number** corresponds to the serial number previously entered for your PC. As for the TM550 or GPRS Setting **User Name** and **Password** application corresponding to your **TIMER ID** on the ITS ONLINE TIMING server;



The screenshot shows the ITS CHRONO Configuration interface. At the top left is the ITS CHRONO logo. Below it is a 'Configuration' section with a dropdown arrow. The form contains the following fields and controls:

- Software ID Number :** 1007
- Server Addr :** online.itschrono.com
- Server Port :** 3000
- User Name :** User Name
- User Password :** *****
- Log File :** GSM_Interface_Log.csv

At the bottom of the form are three buttons: a 'RESET' button with a circular arrow icon, a 'SAVE' button with a checkmark icon, and a larger 'CONNECTION' button.

FROM THE TIMING SOFTWARE

Unlike the TM550 application, here nothing happens once the information has been entered and validated.

It is imperative to start timing software in parallel with the GSM Interface software.


On the timing software you must declare a device (ITS or TAG Heuer Timing) with the local IP address, i.e : **IP 127.0.0.1 and the communication port 7000.**

NOTE : The TM550 uses the same communication protocol as TAG Heuer Timing products, you can select the CP545/40 in your software if the TM550 has not yet offered it to you.

GSM INTERFACE

Once the settings have been made on your timing software, by returning to GSM Interface you will see the right part of the screen, connection information will be displayed and all the frames transmitted by the ITS ONLINE TIMING server.

At the bottom left also appears the list of devices used (corresponding to your GSM ITS server CONFIGURATION list).


⏻

Configuration

Software ID Number :

Server Addr :

Server Port :

User Name :

User Password :

Log File : ⋮

⊘ RESET
✓ SAVE




CONNECTION

FRAMES

ID Frame	Date	Hour	Model	Serial number	Message	Port
---	28/11/2024	09:14:53	----	----	Instance Connected.	7000
---	28/11/2024	09:15:29	----	----	Connection server close	
---	28/11/2024	09:20:40	----	----	All instance are disconnected	
---	28/11/2024	09:20:43	----	----	Instance Connected.	7000
---	28/11/2024	09:20:49	----	----	All instance are disconnected	
---	28/11/2024	09:20:51	----	----	Instance Connected.	7000
---	28/11/2024	09:20:53	----	----	Connection server close	
---	28/11/2024	09:20:56	----	----	Connection server close	
---	28/11/2024	11:03:55	----	----	All instance are disconnected	
---	28/11/2024	13:45:19	----	----	Instance Connected.	7000
190	28/11/2024	13:45:20	PC	0000	#GC 1	
191	28/11/2024	13:45:20	PC	0000	#PL ITS ONLINE TIMING	
192	28/11/2024	13:45:20	PC	0000	#PL Hello ITSCHRONO	
193	28/11/2024	13:45:20	PC	0000	#PL Test serveur	
---	28/11/2024	13:46:27	----	----	All instance are disconnected	
---	28/11/2024	13:46:27	----	----	Connection server close	
---	28/11/2024	13:46:38	----	----	Instance Connected.	7000
190	28/11/2024	13:46:39	PC	0000	#GC 1	
191	28/11/2024	13:46:39	PC	0000	#PL ITS ONLINE TIMING	
192	28/11/2024	13:46:39	PC	0000	#PL Hello ITSCHRONO	
193	28/11/2024	13:46:39	PC	0000	#PL Test serveur	
000	28/11/2024	13:50:17	CP545	0084	TN 1 1 M1 13:50:12.36600 9098801E	7000
005	28/11/2024	13:50:22	CP545	0086	TN 1 1 M2 13:50:23.98600 90988260	7000
006	28/11/2024	13:50:23	CP545	0086	IR 1 1 00:00:11.6200038DE	7000

Material

MATERIAL LIST

	Label	Model	Serial number	Color	Timekeeping	Phone number
	Time Master	TM550	0086	●		
	Time Master	TM550	0084	●		
	PC Windows	Computer	1007	●		

ACCESSIBLE IMPULSES

You can now receive the pulses emitted by the stopwatch(s) on your server and also on your timing software

A LA SEULE CONDITION QUE VOTRE LOGICIEL DE CHRONOMETRAGE AIT UNE SESSION / MANCHE DE DEMARREE.





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