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.

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CONNECTION TO THE ITS ONLINE TIMING SERVER

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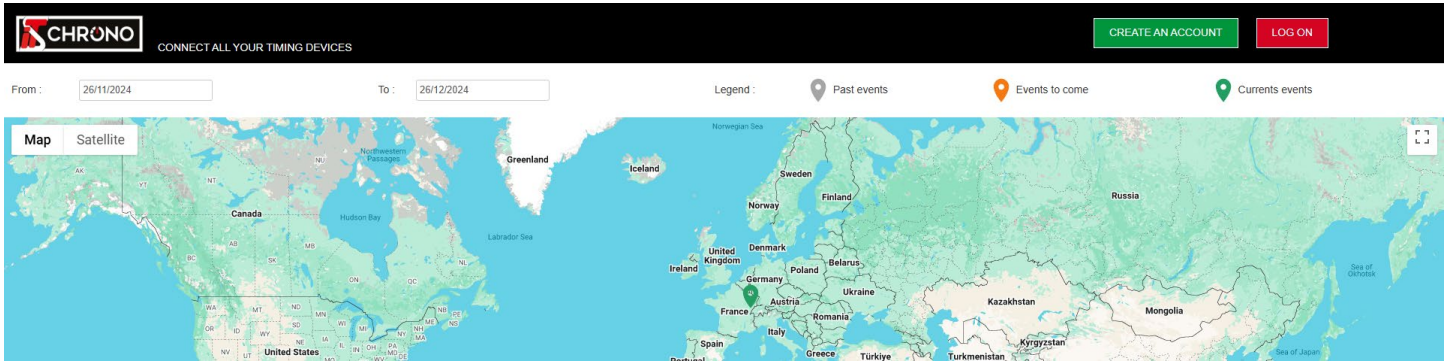
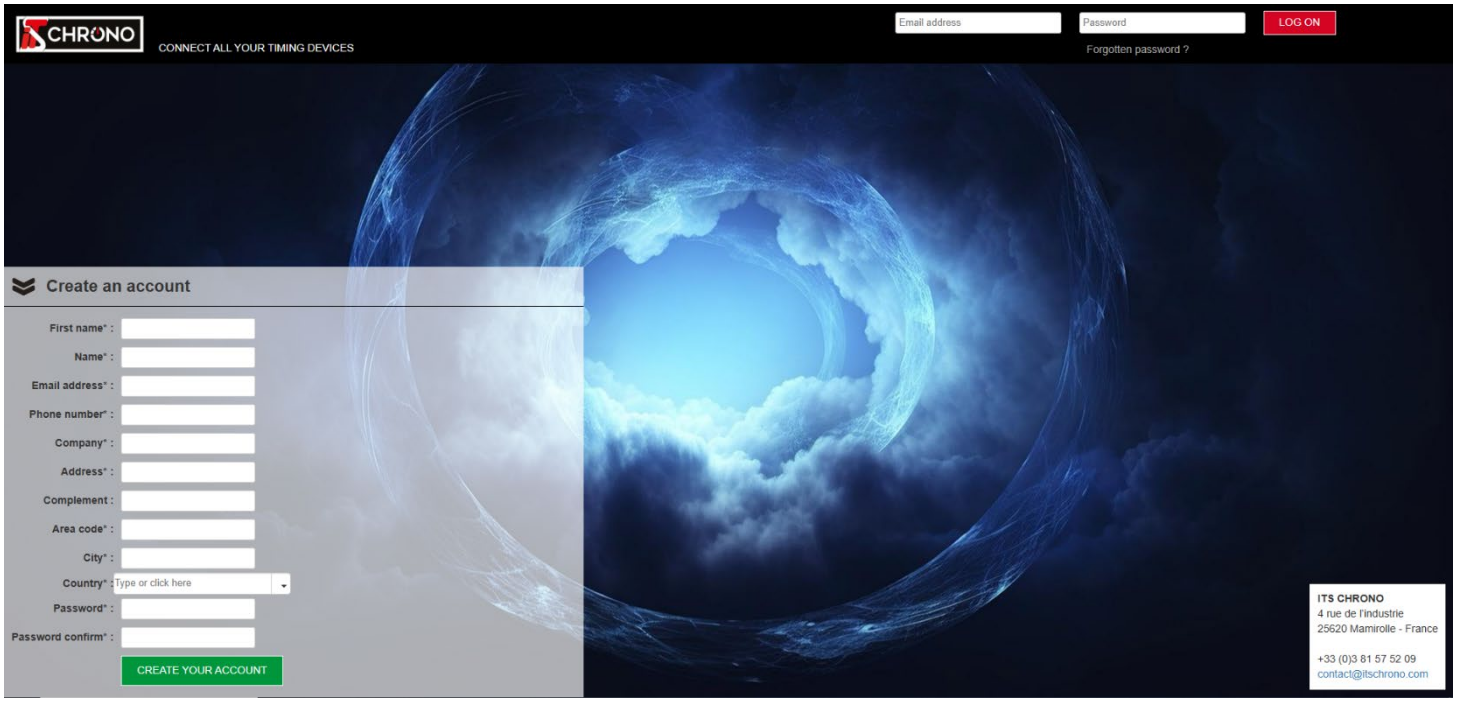
CONNECTING TO THE SERVER

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



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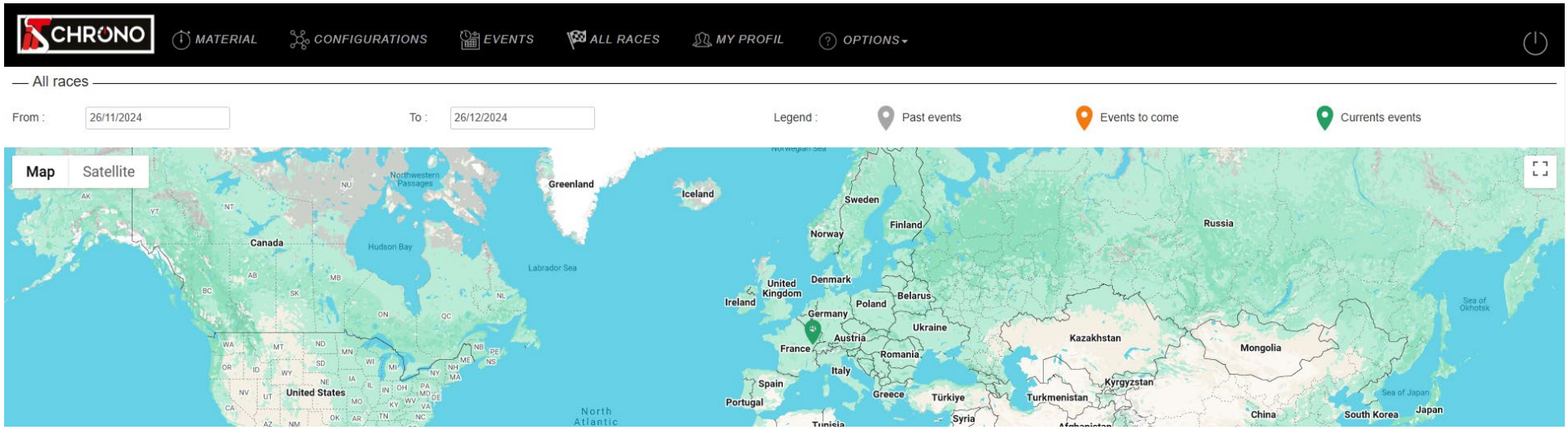
PERSONAL DATA INPUT

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.

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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

PC INFORMATION

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

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

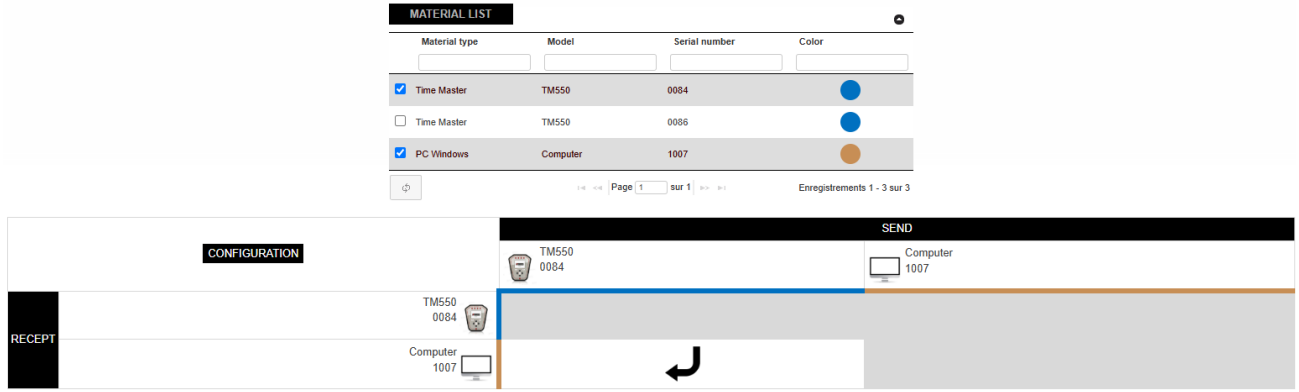
THE ARROWS IN THE CONFIGURATION ALLOW YOU TO SELECT THE DIRECTION OF THE DIALOGUE BETWEEN THE DIFFERENT DEVICES

CONFIGURATION

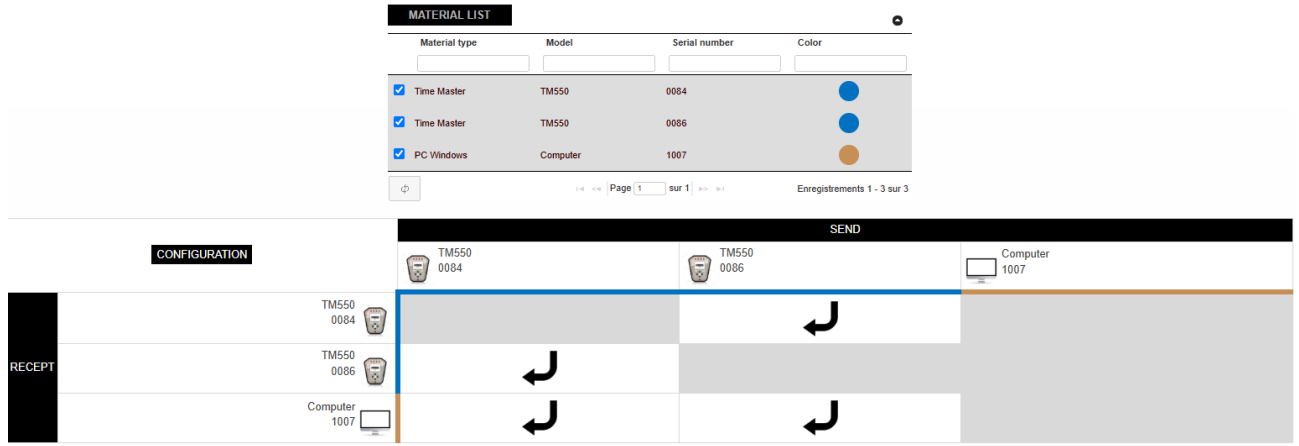
Once the devices have been added, you can move on to the **CONFIGURATIONS** tab.

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.



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).



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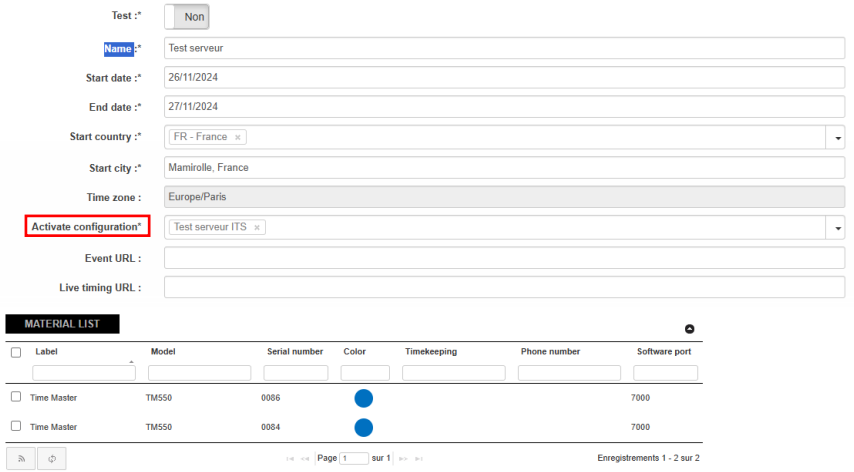
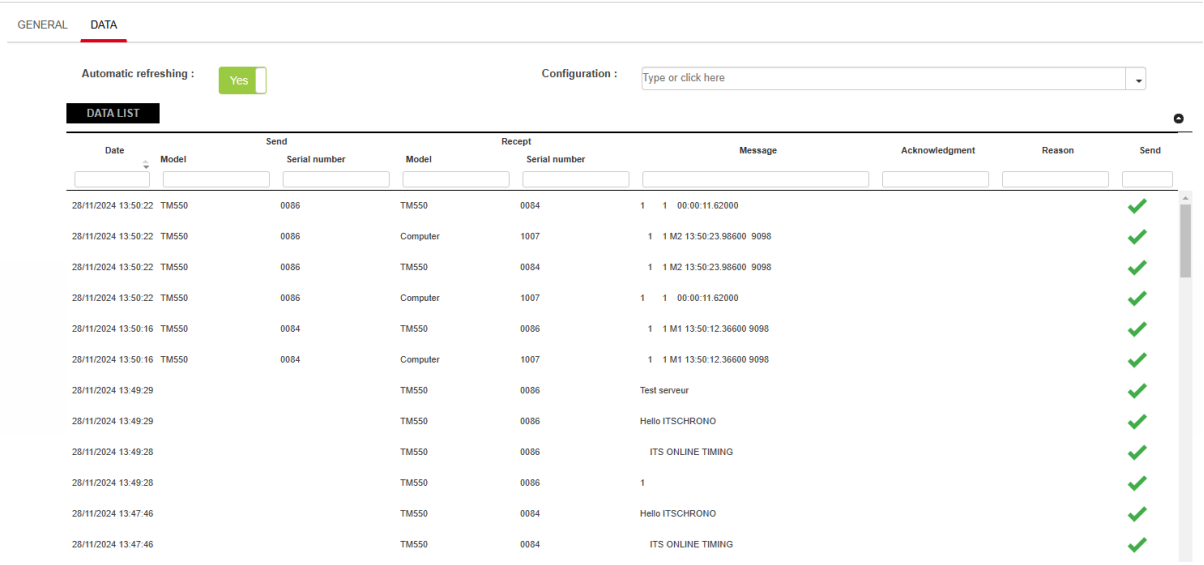
EVENT CREATION

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.



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.

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FINALIZING CONFIGURATION

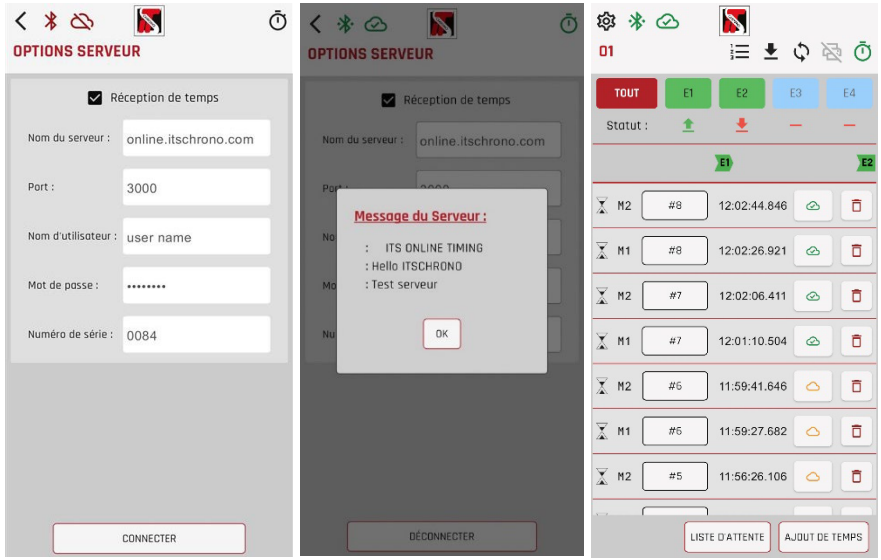
All the configurations of the GSM server having been made, you can now configure your devices in order to connect to the server and make sending information possible.

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 :

PARAMETERS **SERVER CONNECTION** **PULSES**



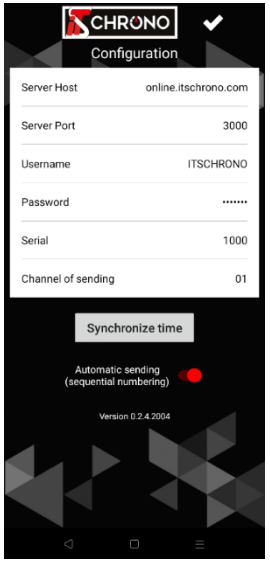
NOTE : We invite you to consult the “TM550 application user manual” documentation for more details regarding its use and configuration.

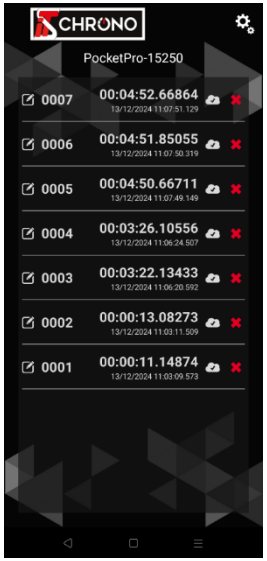
Legend :

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 APLLICATION 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.

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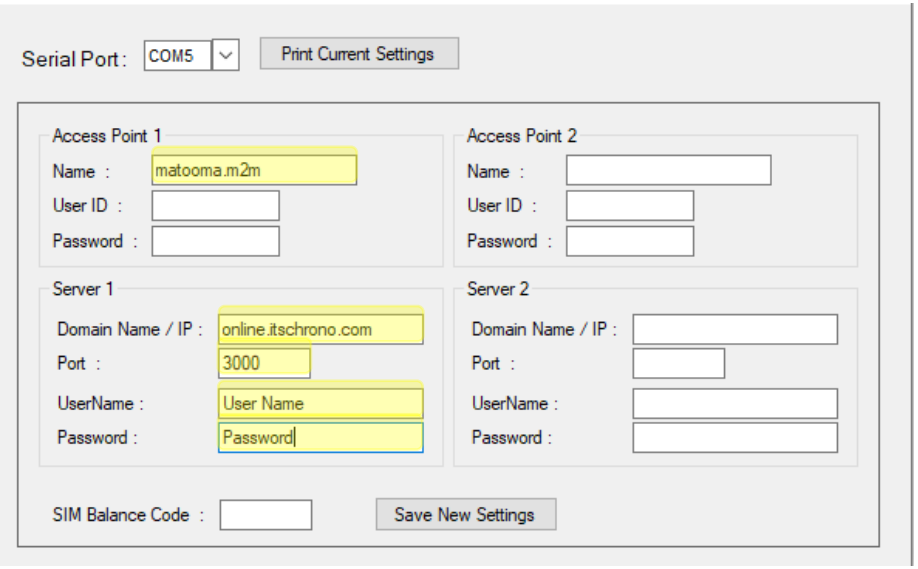
GSM DOCKING PARAMETER WITH THE GPRS SETTINGS SOFTAWRE

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 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.

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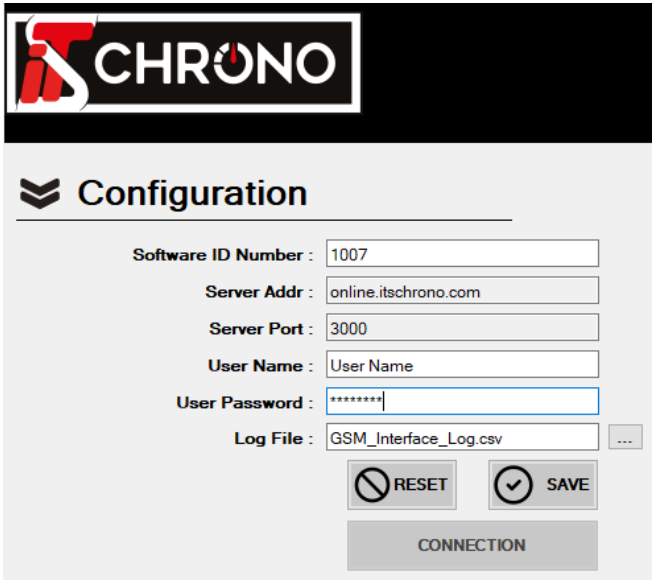
CONNECTION BETWEEN THE TIMING SOFTWARE AND THE ITS ONLINE TIMING SERVER WITH THE GSM INTERFACE SOFTWARE

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;



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.

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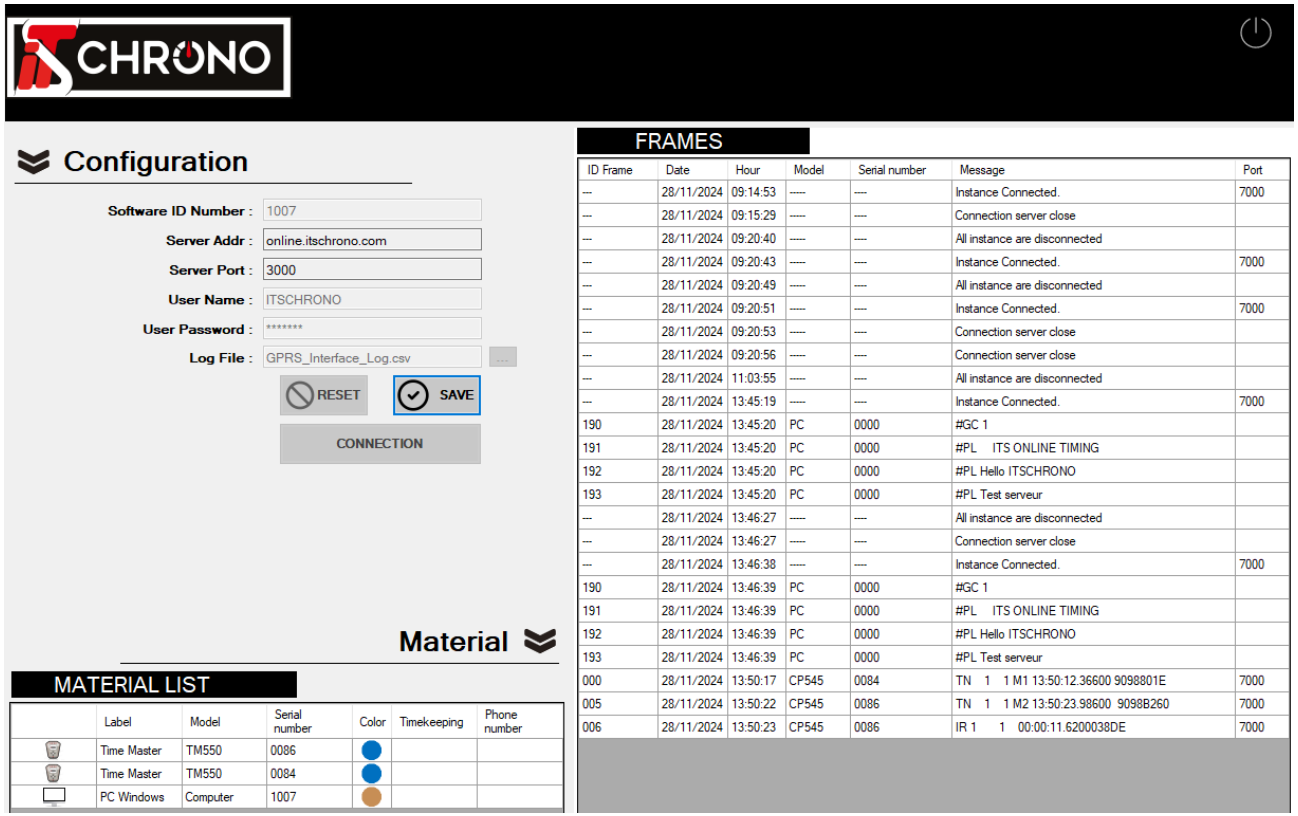
GSM INTERFACE

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).



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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