

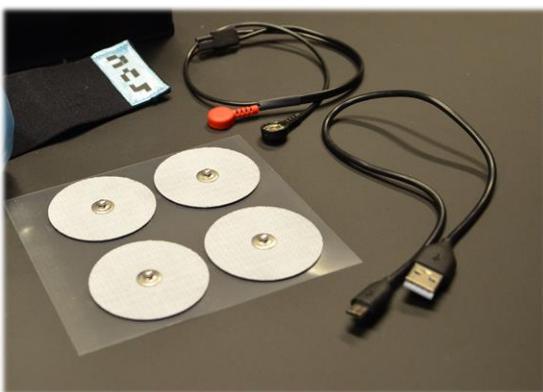
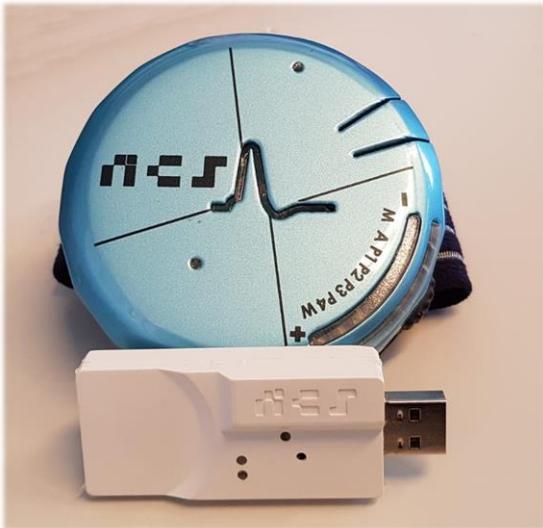
COMBINED SOLUTIONS FOR INDUSTRY

User Manual v.0

Shoulder Pacemaker Control 1.1.2.0

22/07/2019

KIT SPM01K2



The product configuration SPM01K2 kit contains:

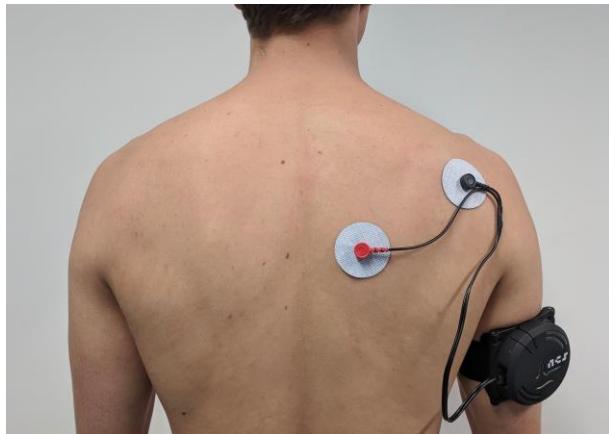
- 1 electrostimulator (REF: SPM02);
- 1 receiver (REF: GTWY02);
- Software Shoulder Pacemaker control 1.1.2.0;
- accessories and consumable material as in the SPM01K1 kit with stand-alone operation.

SHOULDER PACEMAKER CONTROL SOFTWARE INSTALLATION

No procedure is required for installing the Shoulder Pacemaker Control software on the PC.

Just copy the program folder from the installation key to the target PC in a location of your preference and launch the start link called "SPC_v1.1.2.0_Start"

PATIENT PREPARATION



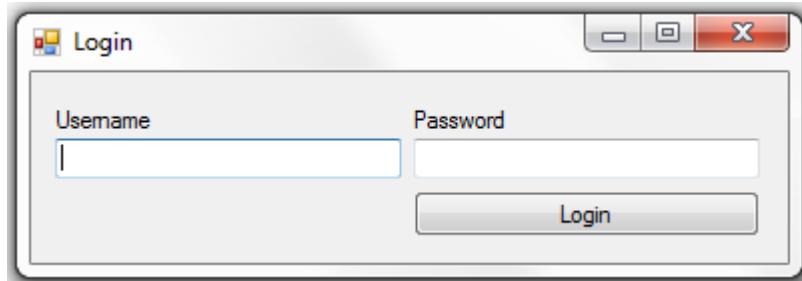
Refer to the instructions for use provided in the KIT regarding the correct and safe positioning of the electrodes on the patient.



If you want to start a wireless stimulation session, insert the USB receiver into the laptop and start the Shoulder Pacemaker control software

ACCESS PROCEDURE

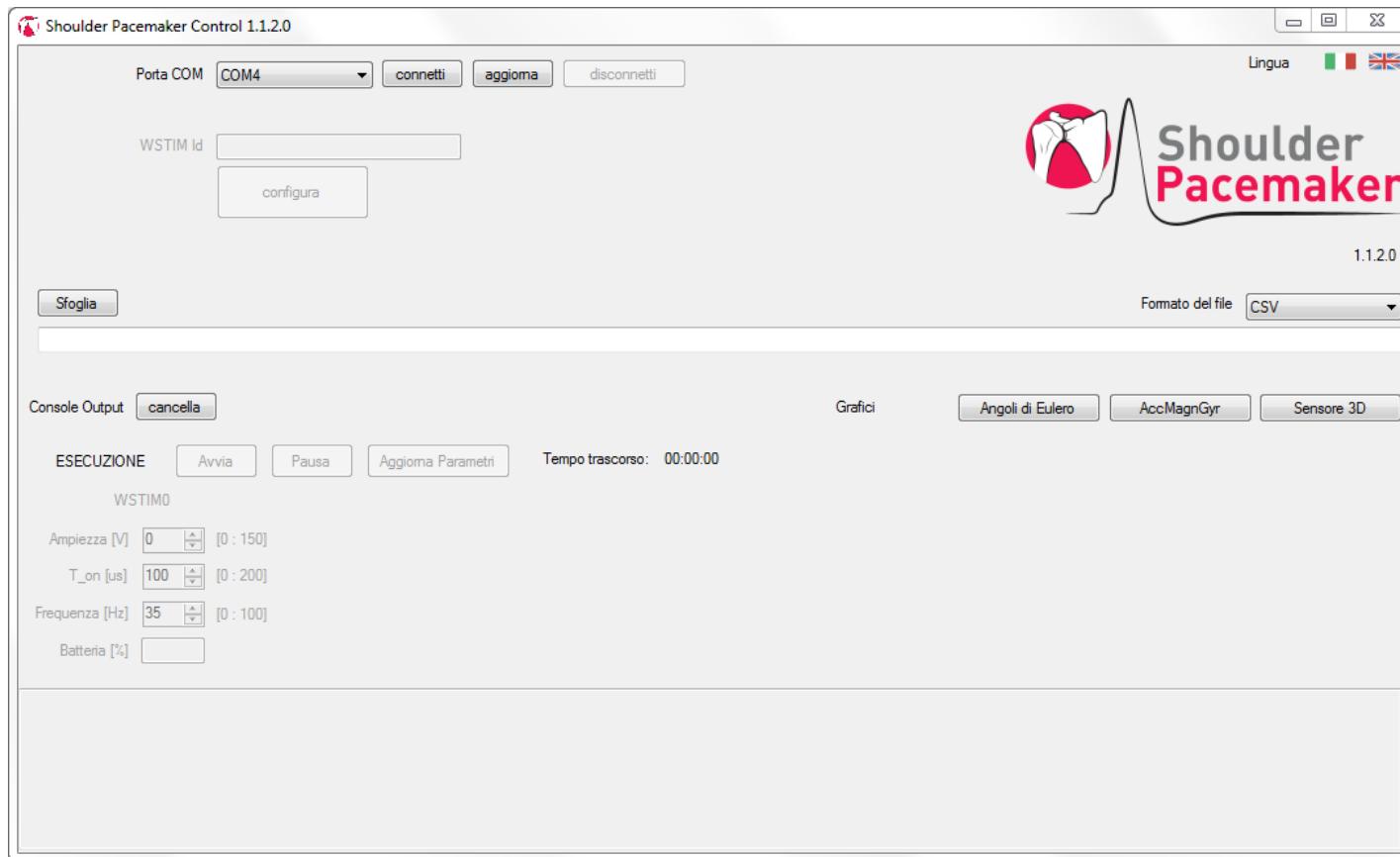
When starting the software, the user will be asked to enter USERNAME and PASSWORD



Once you have filled in the fields, click on LOGIN..

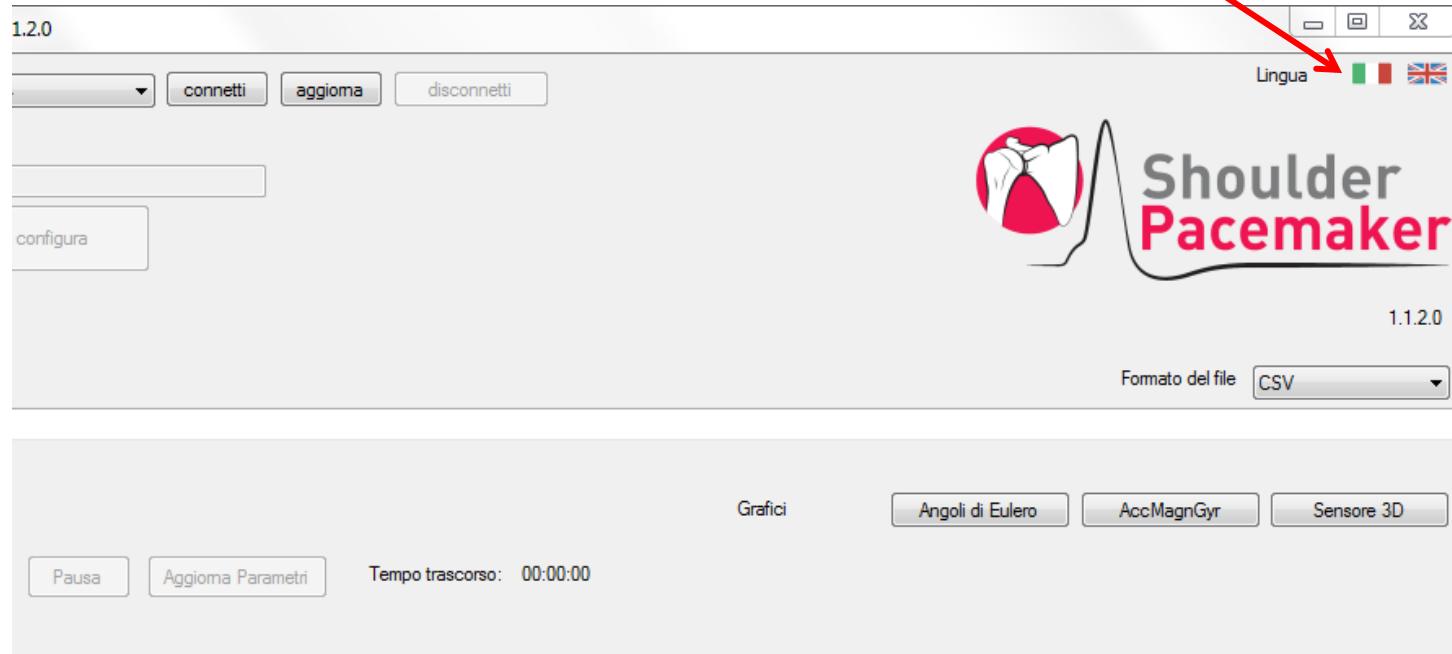
In case the compiled values are incorrect, an error message will be shown.

LAUNCH THE SHOULDER PACEMAKER CONTROL SOFTWARE



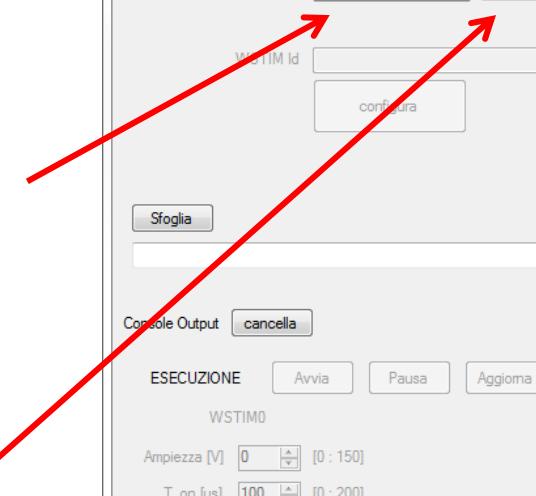
LAUNCH THE SHOULDER PACEMAKER CONTROL SOFTWARE

Choose the desired language
(Italian / English) by pressing the
corresponding flag



START RECEIVER CONFIGURATION

- Select the COM port if not recognized automatically



Porta COM **COM4** connetti aggiorna disconnetti

WSTIMO
Ampiezza [V] 0 [0 : 150]
T_on [us] 100 [0 : 200]
Frequenza [Hz] 35 [0 : 100]
Batteria [%]



Formato del file CSV

Grafici

Angoli di Eulero

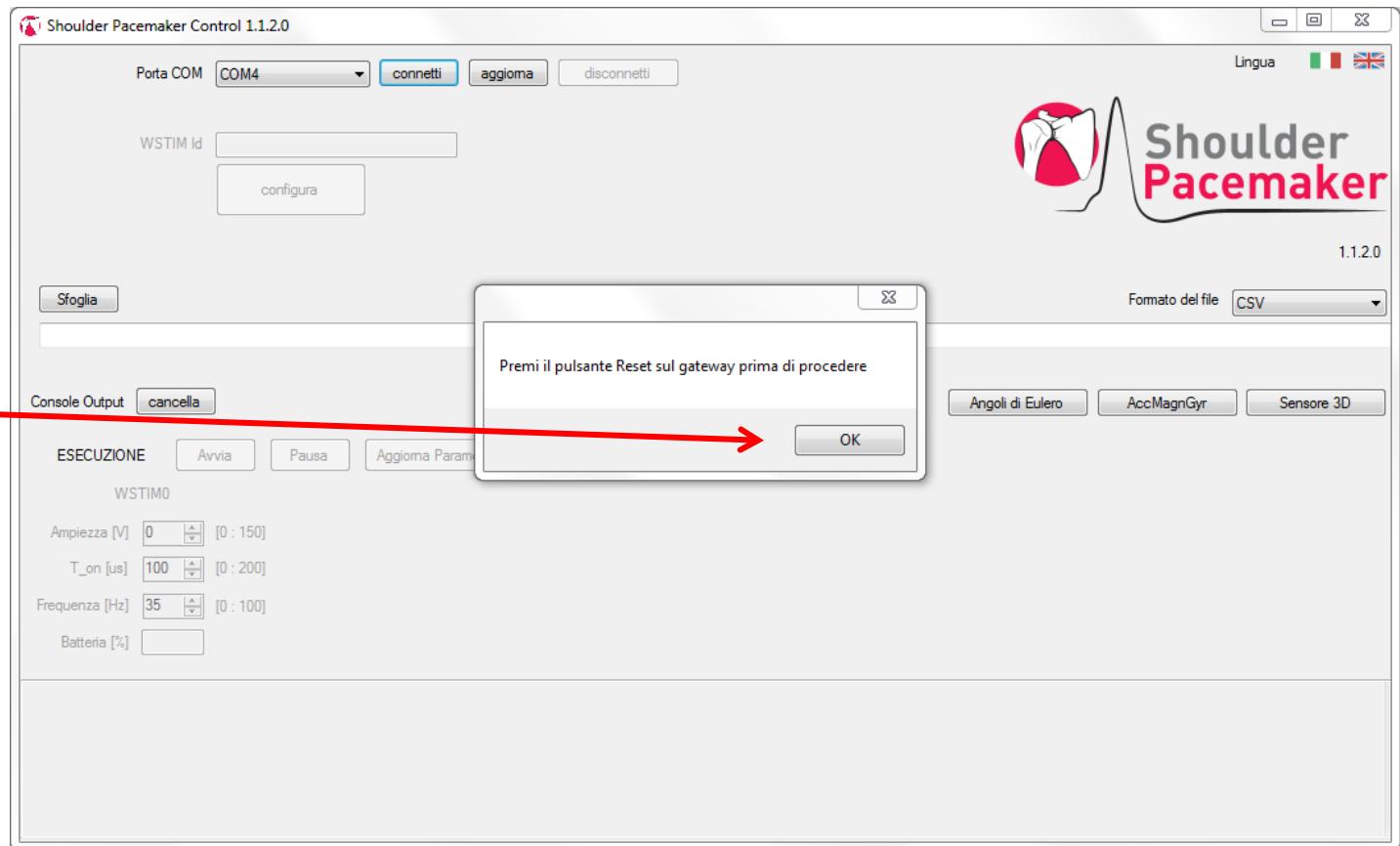
AccMagnGyr

Sensore 3D

- Press CONNECT

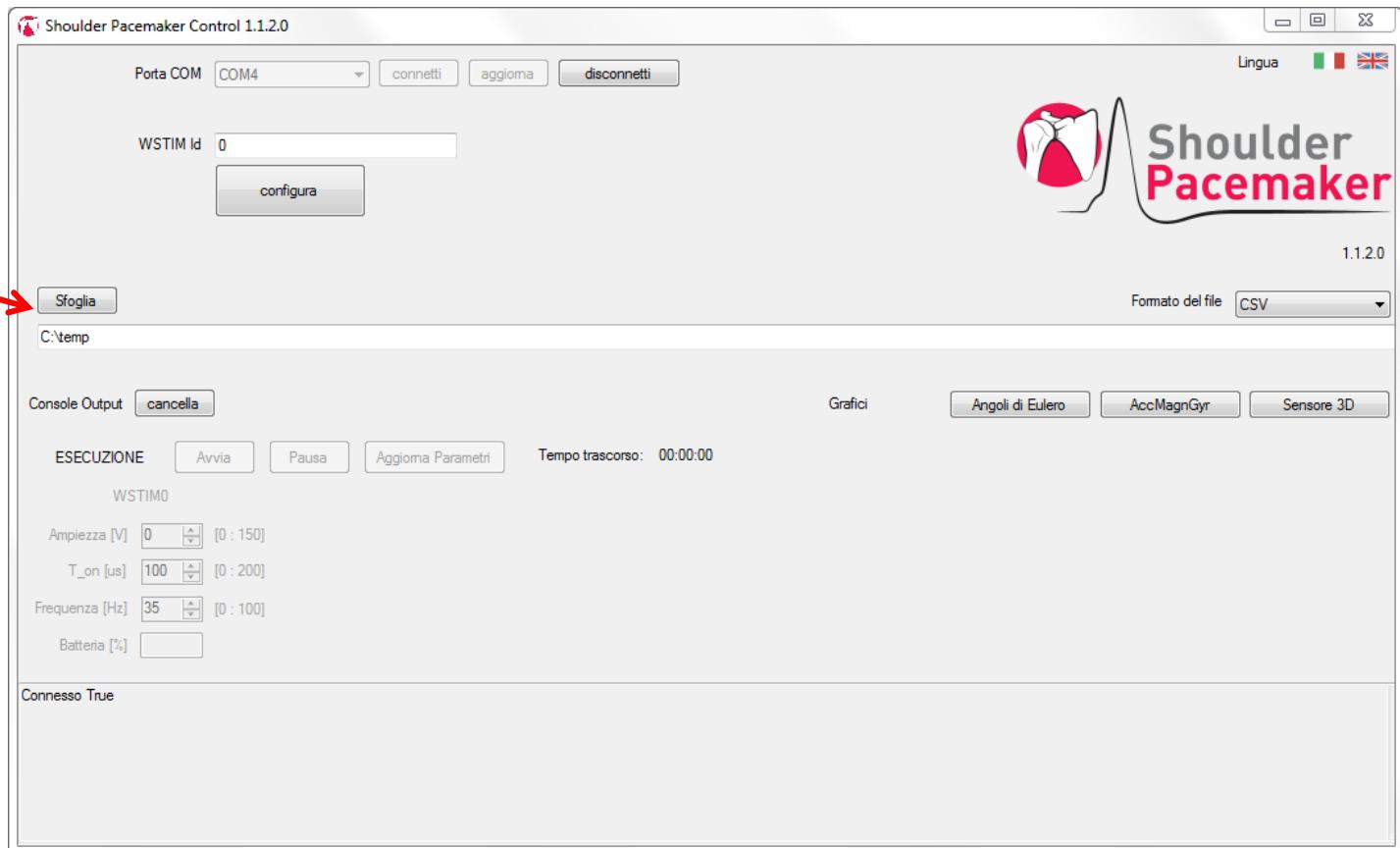
START RECEIVER CONFIGURATION

To confirm the receiver configuration press OK



START DEVICE CONFIGURATION

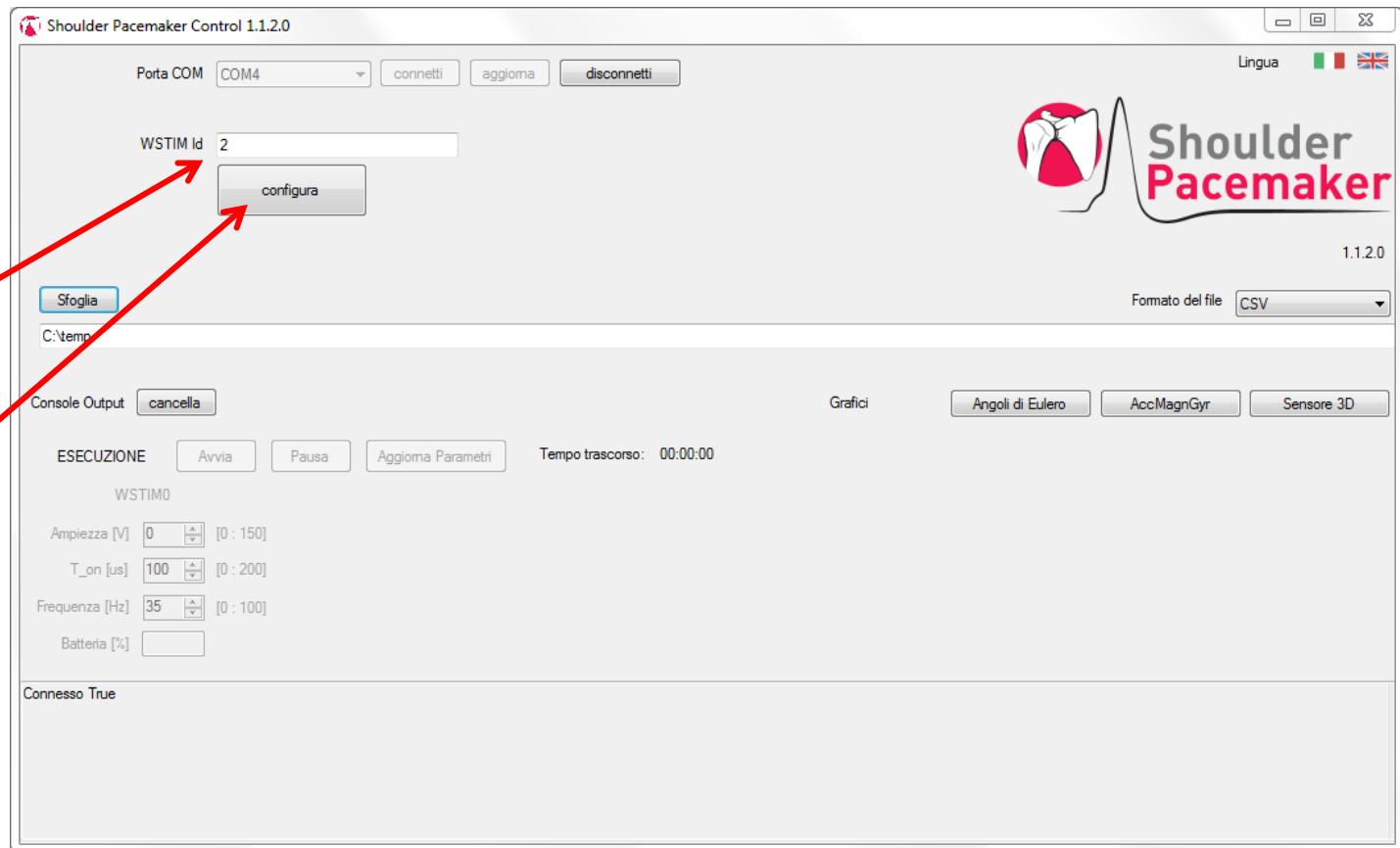
Enter the file path where you want to save the file automatically generated during the communication of the device with the receiver (it may contain error messages)



If this value is not filled in, an error message appears that prevents you from continuing with the procedure. The path to the file is stored and proposed again at the next program start.

START DEVICE CONFIGURATION

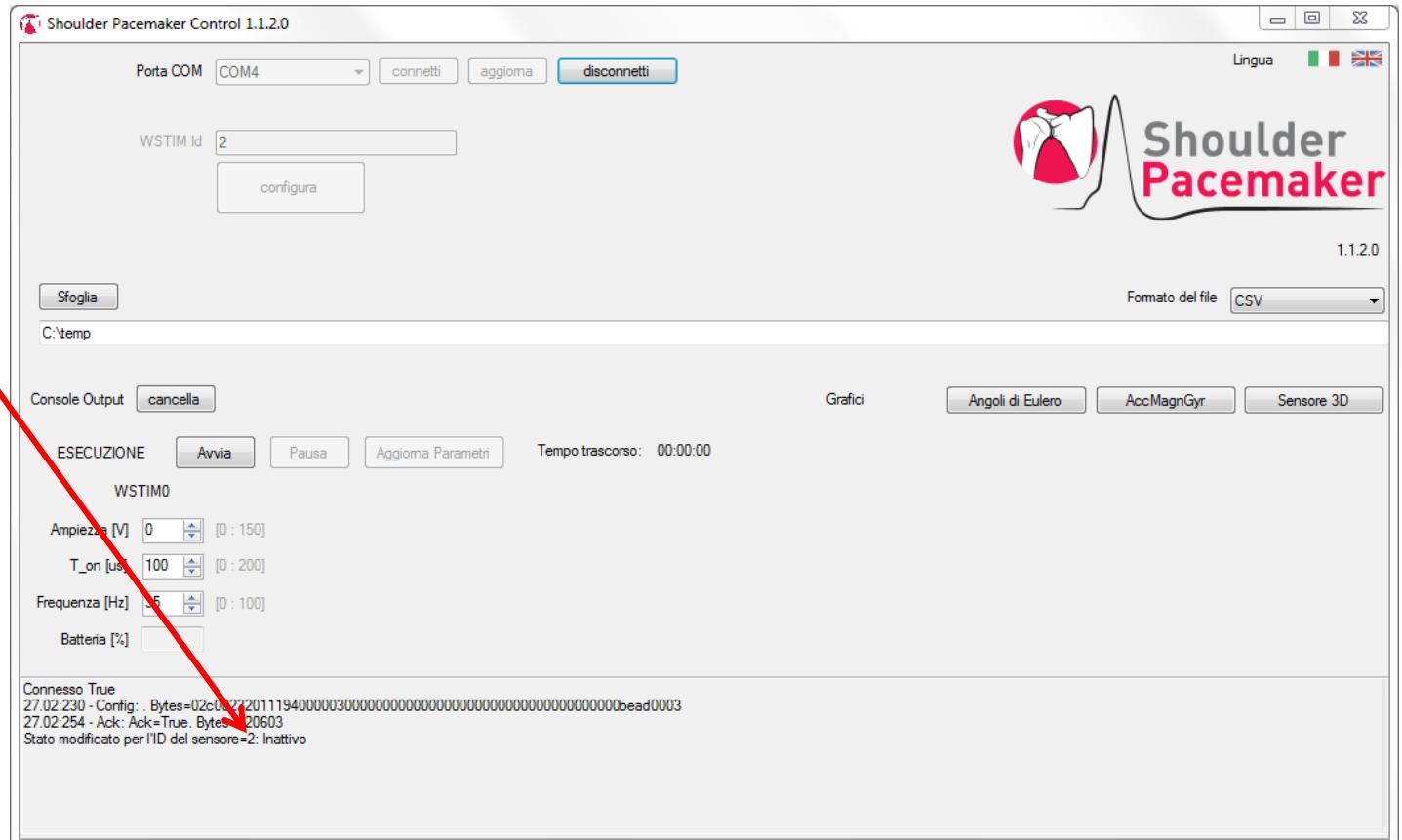
- Enter the ID number of the device provided in the kit
- Press CONFIGURE



START DEVICE CONNECTION

The successful configuration of the device is evidenced by the INACTIVE / IDLE message in the window at the bottom of the screen

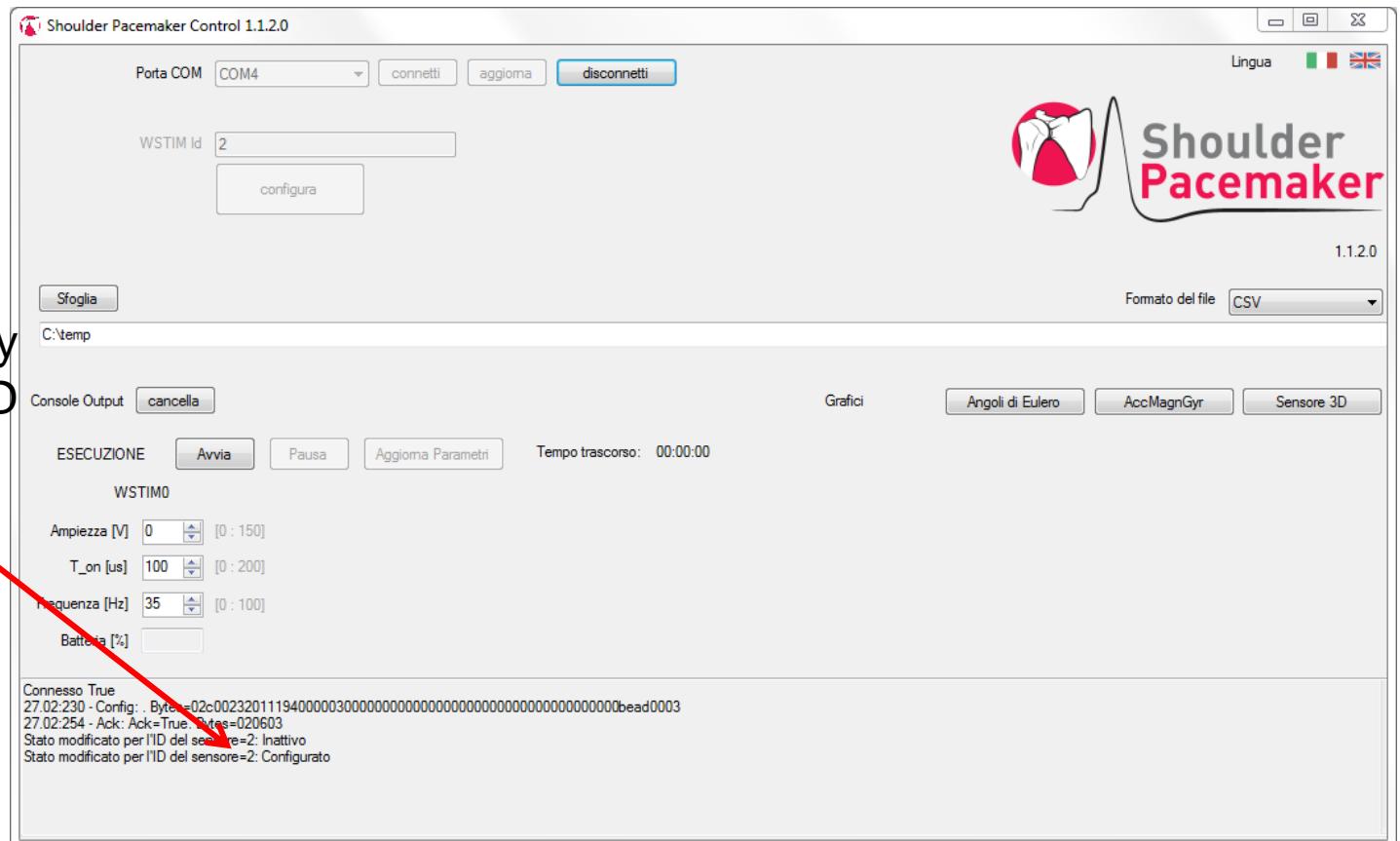
TURN ON THE
DEVICE MANUALLY
AND ENTER THE
WIRELESS
STIMULATION
PROGRAM (W)



Refer to the instructions for use provided in the KIT regarding the selection procedure of the W program

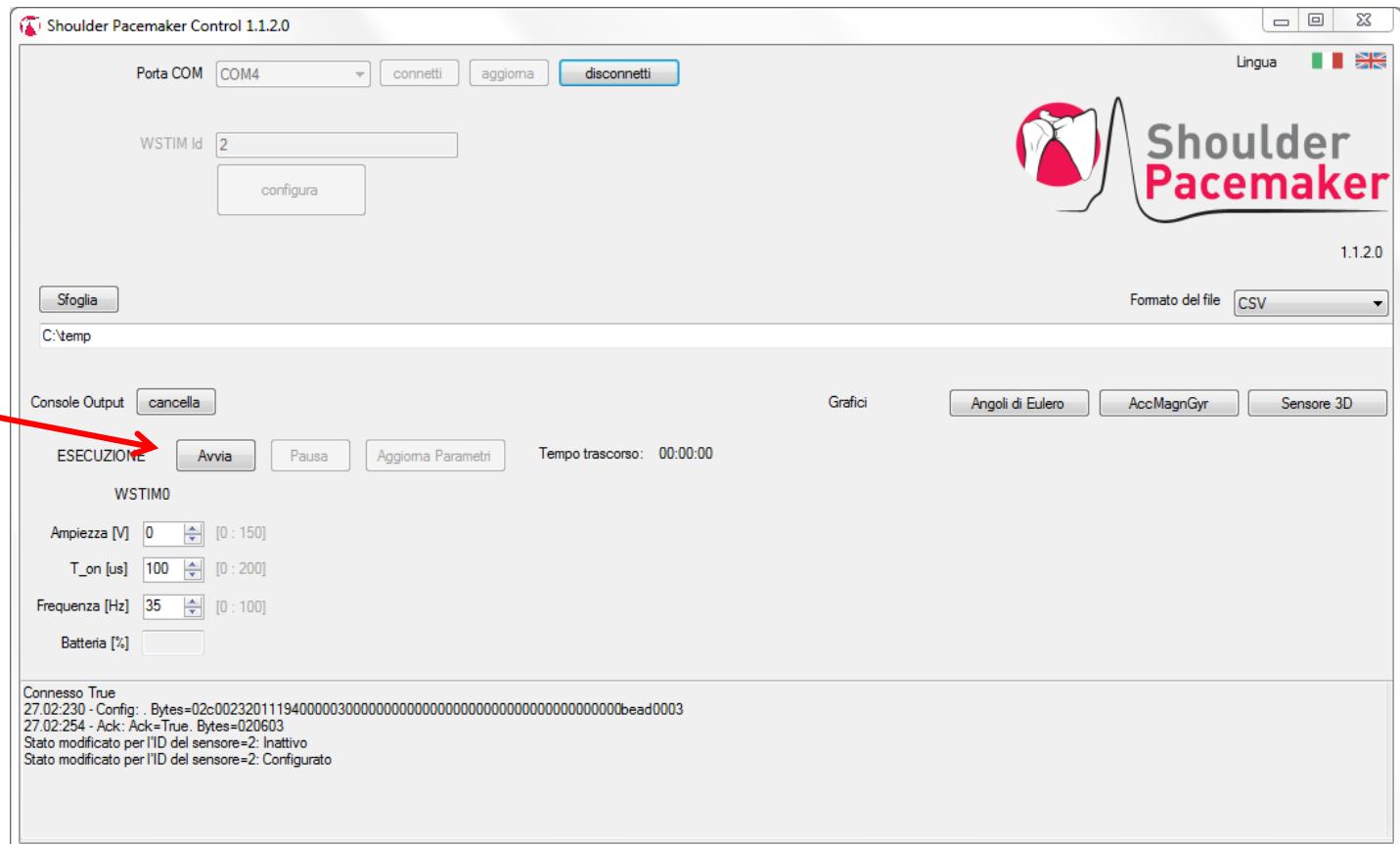
START DEVICE CONNECTION

The successful connection of the device is shown by the **CONFIGURED** message in the window at the bottom of the screen



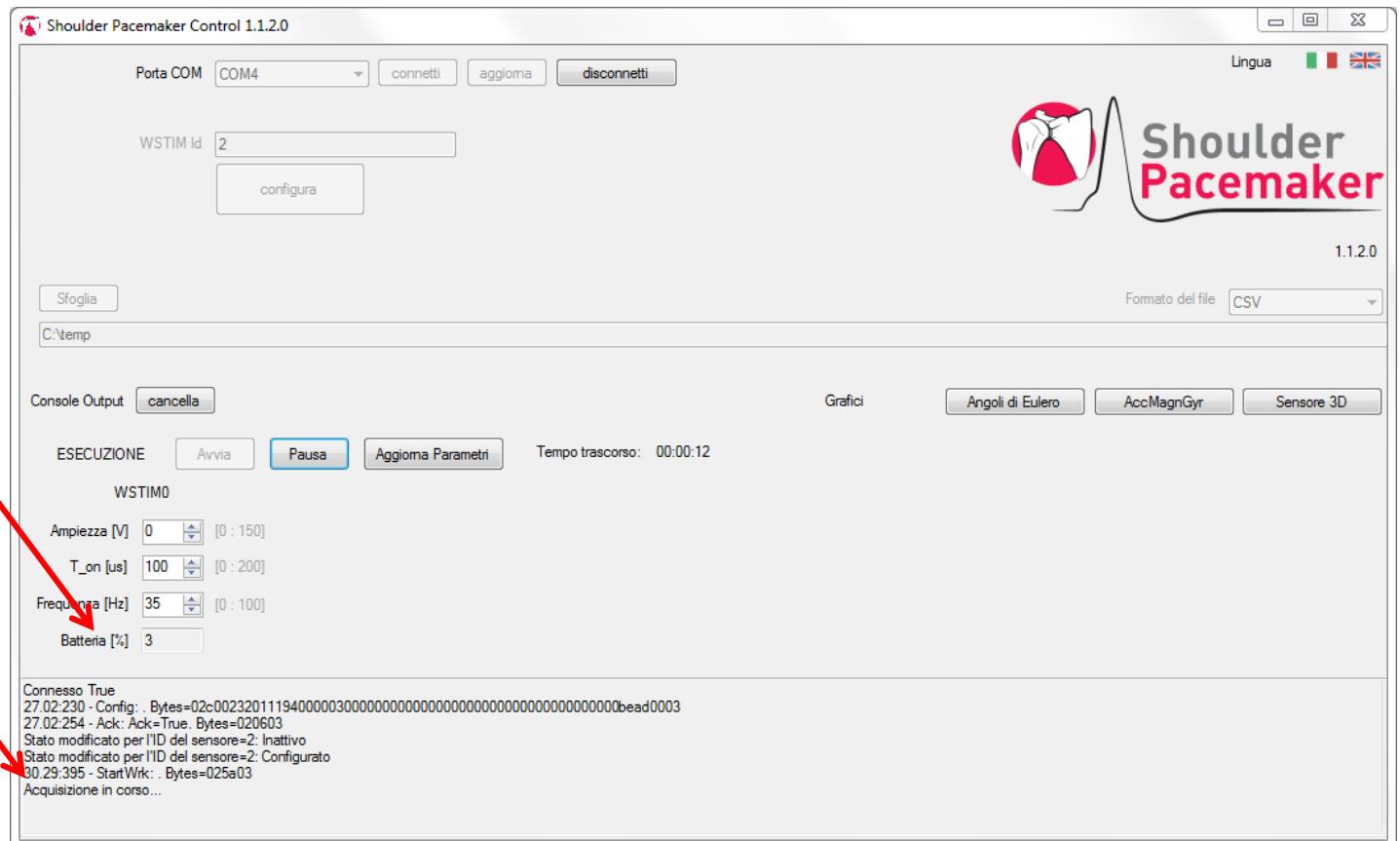
START DEVICE COMMUNICATION

To start communication with the device, press START



START DEVICE COMMUNICATION

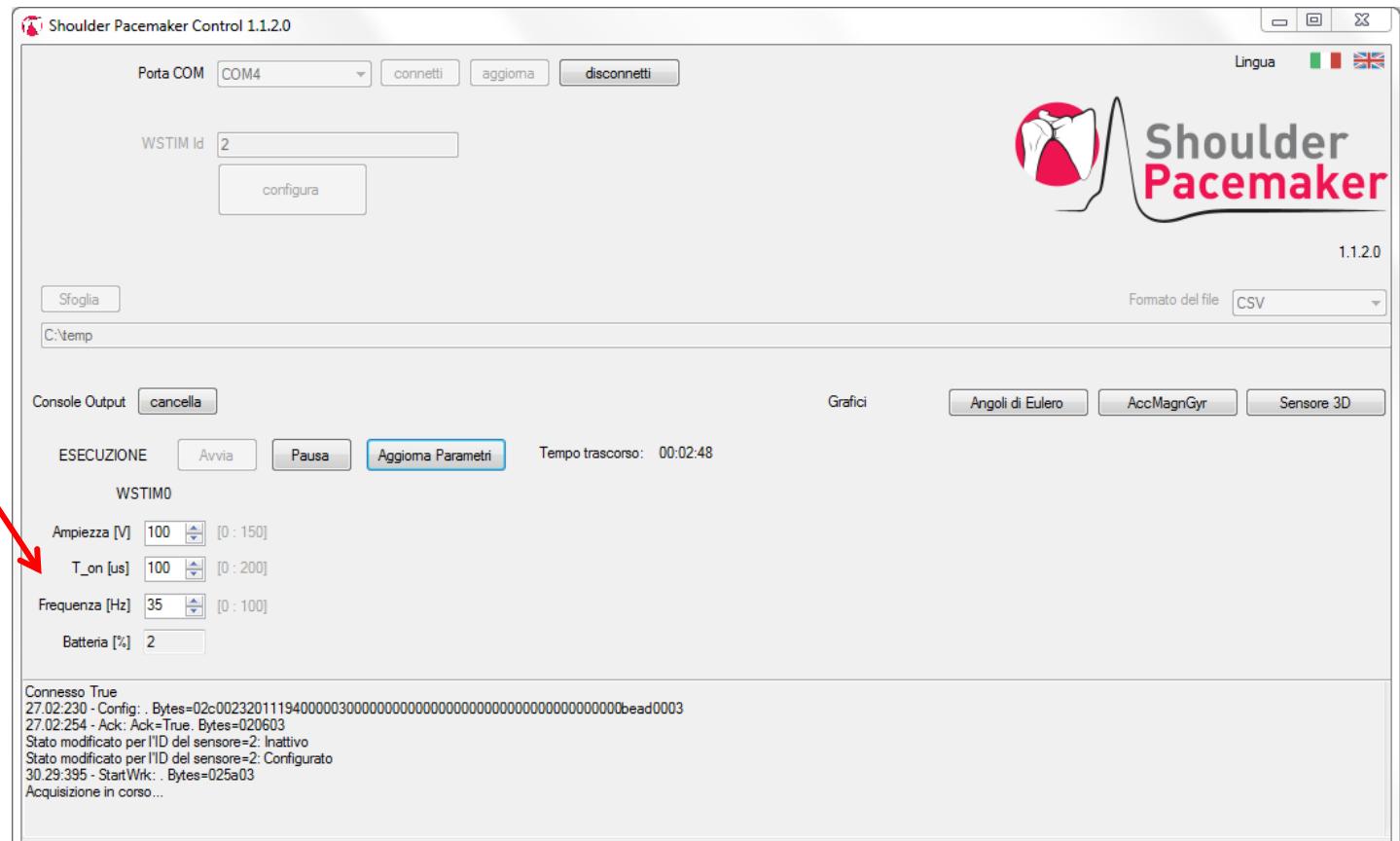
The successful communication is demonstrated by the indication of the battery charge percentage and the appearance of the ACQUISITION IN PROGRESS message



SET OF STIMULATION PARAMETERS

Enter the stimulation
parameters:

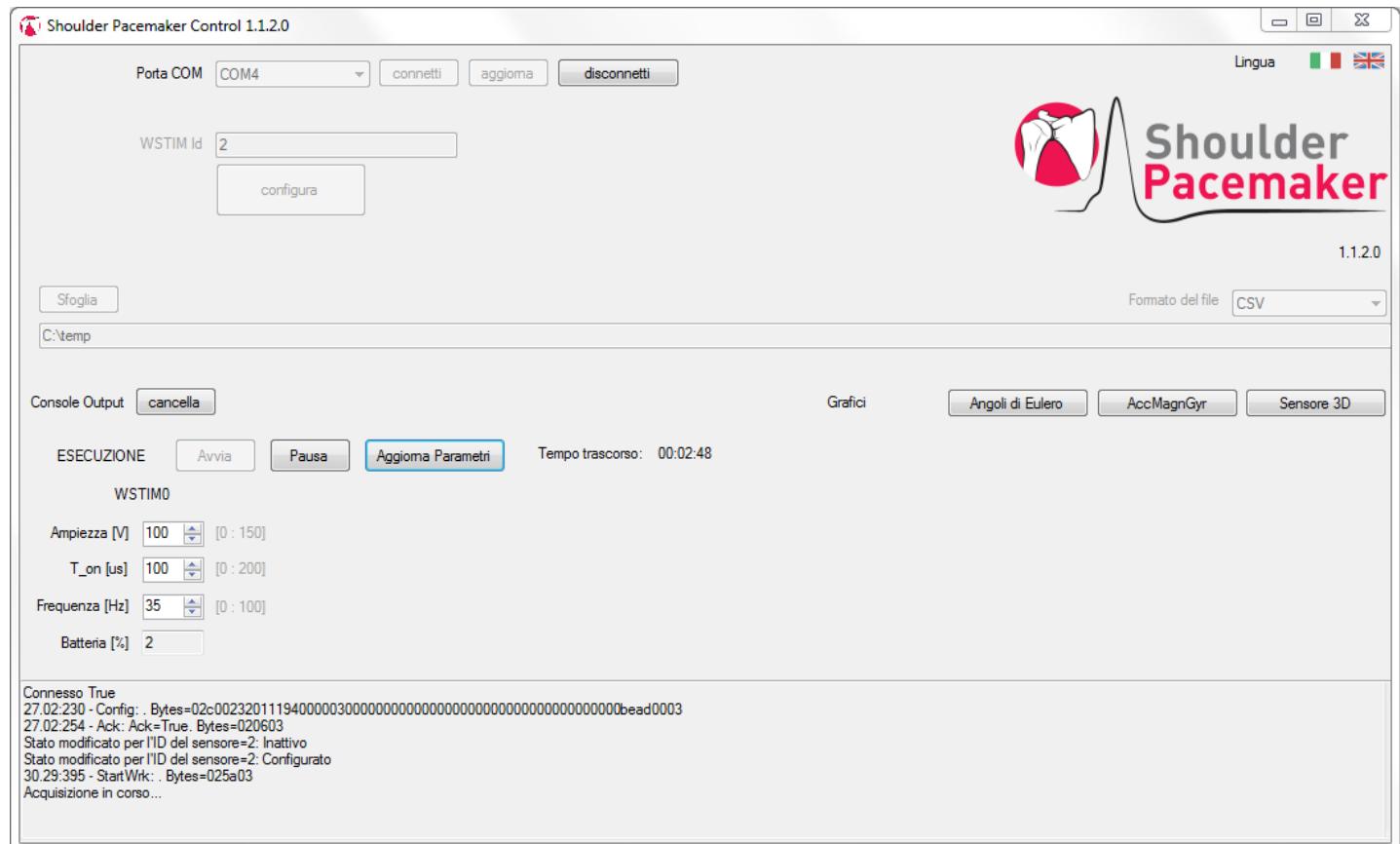
- Stimulation amplitude (V)
- Pacing Pulse Duration (μ s)
- Pacing pulse frequency (Hz)



SET OF STIMULATION PARAMETERS

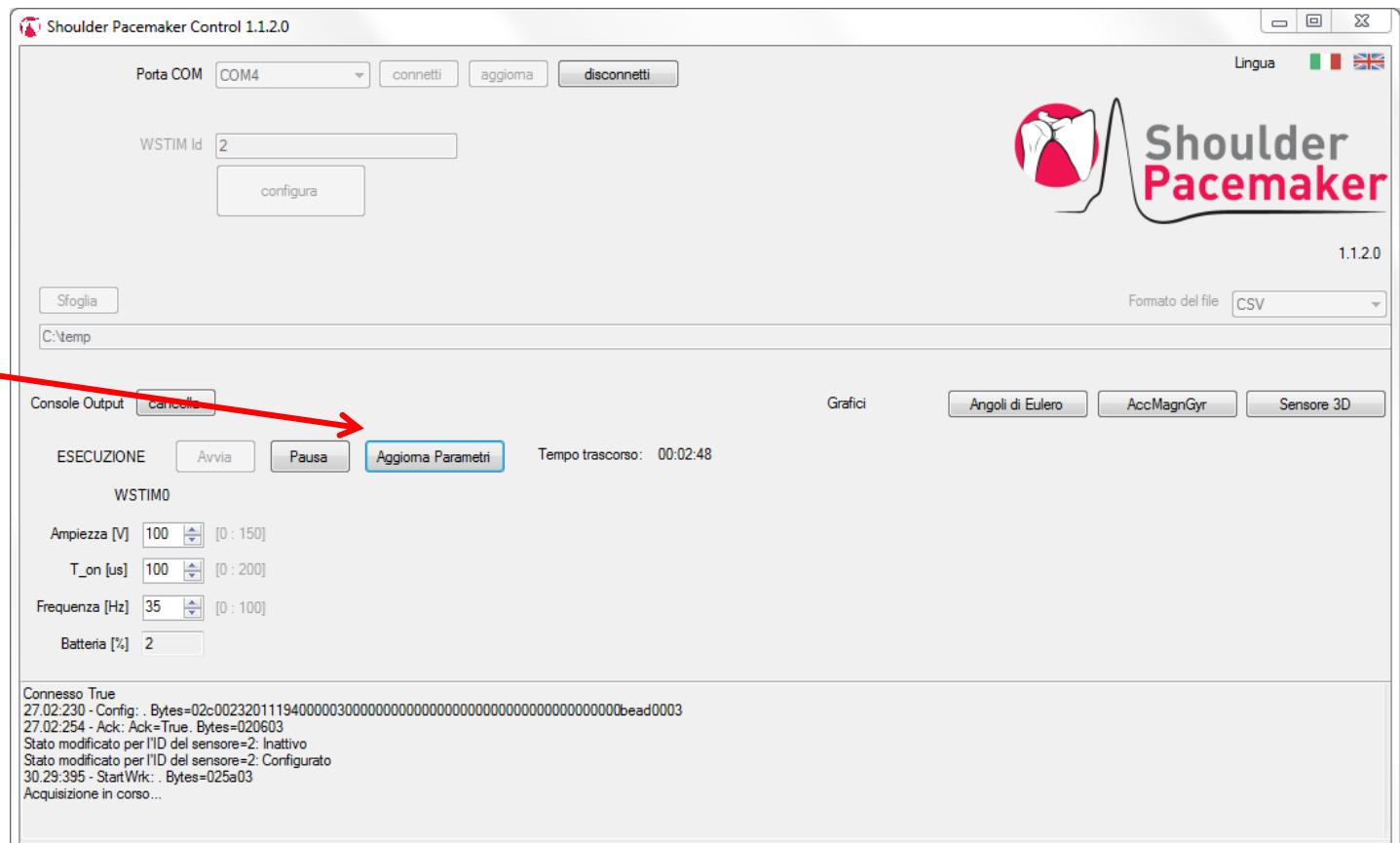
Settable values for the parameters:

- Stimulation amplitude: 0-150V
- Stimulation pulse duration: 0-200μs
- Stimulation pulse frequency: 1-100Hz



SET OF STIMULATION PARAMETERS

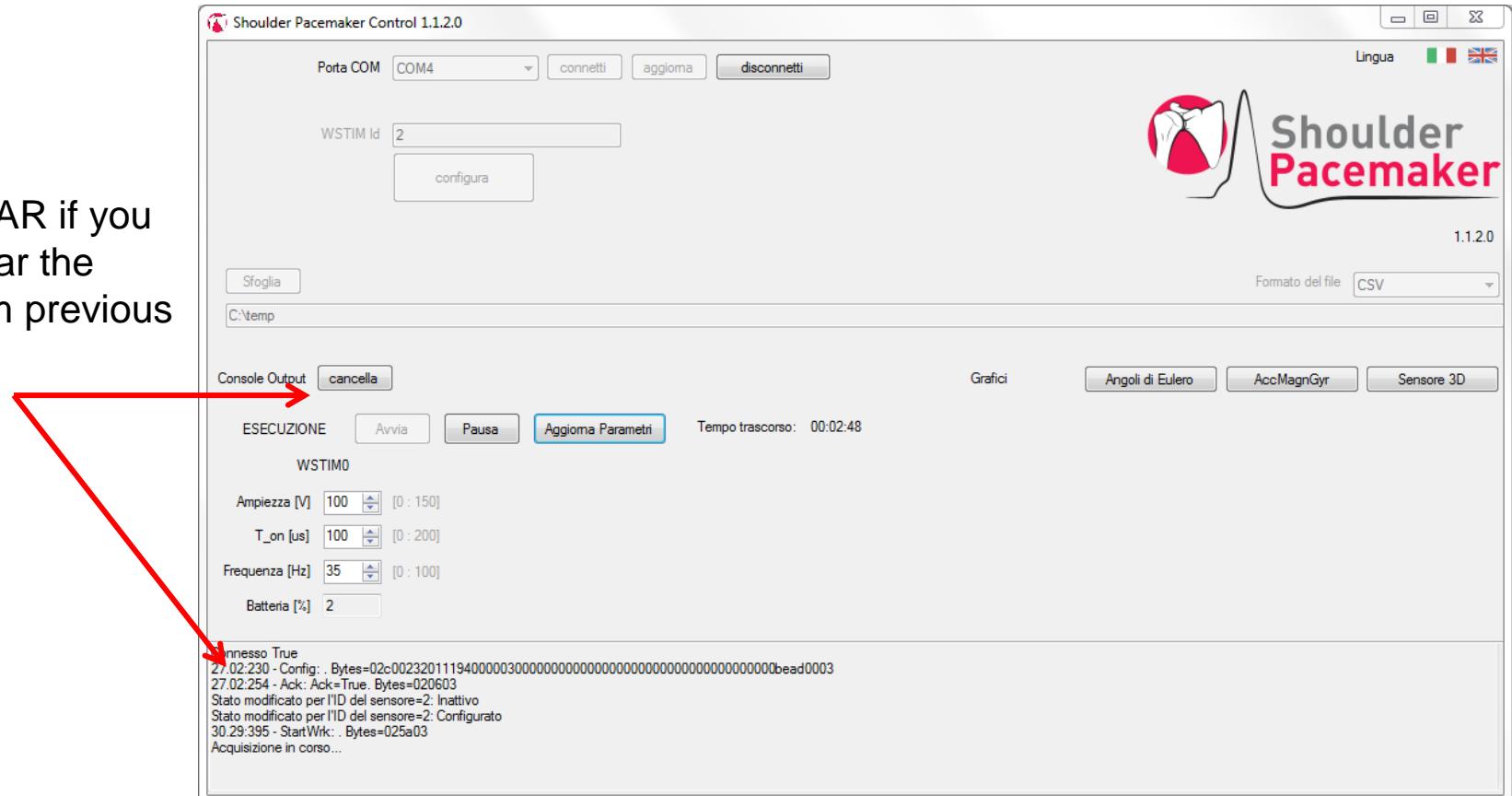
Confirm the set of parameters by clicking on UPDATE PARAMETERS



If the entered values are out of range, an error message will be shown that will prevent you from continuing with the procedure

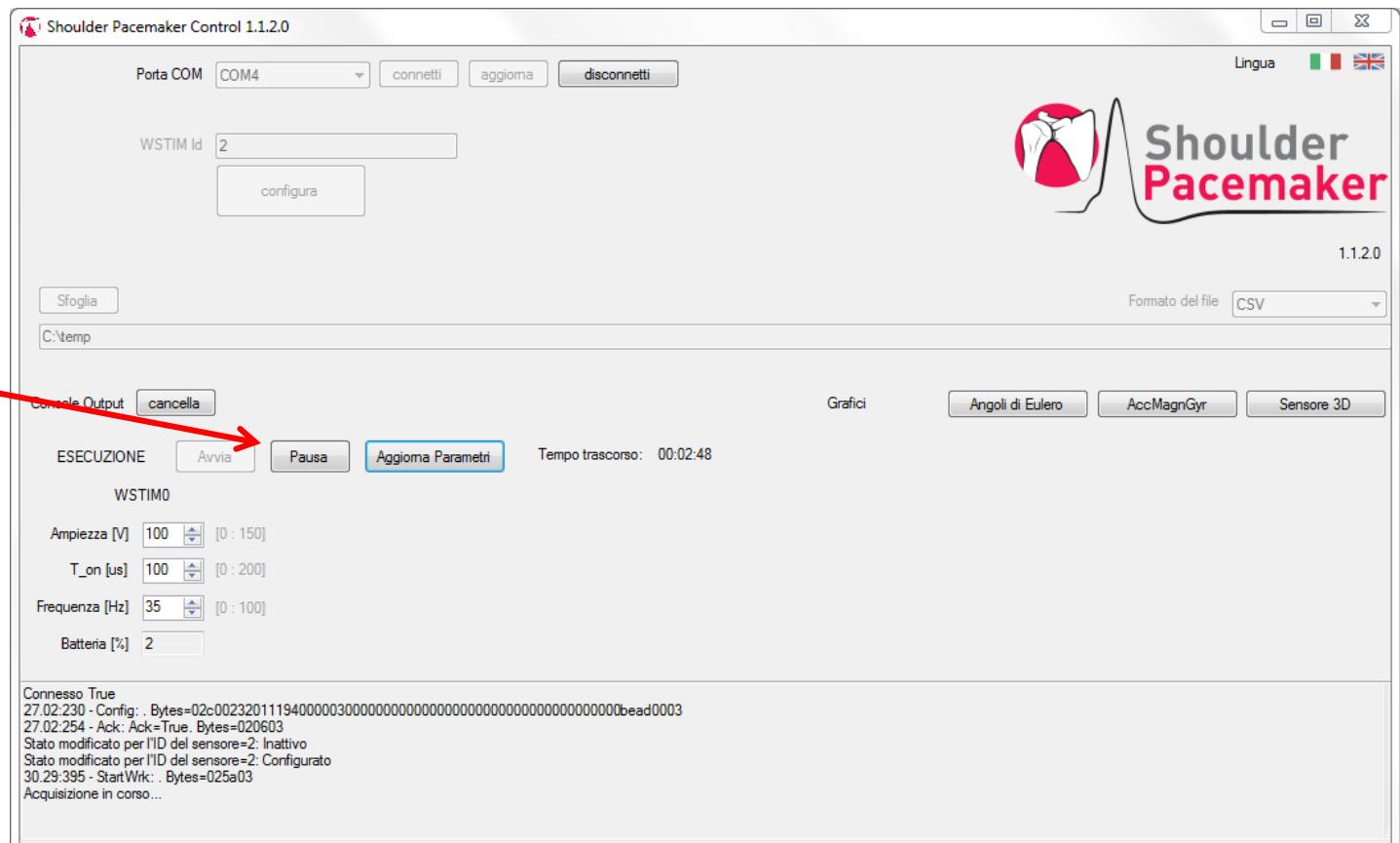
OTHER SETTINGS

Press CLEAR if you want to clear the screen from previous messages



OTHER SETTINGS

Press PAUSE to
block
communication
between the device
and the PC



CAUTION:
Pressing PAUSE DOES NOT stop stimulation, which continues with the last set
of parameters set

STOP AND END OF THE SESSION

To end the session, you must manually act on the stimulation device following the normal operating flow described in the user manual provided in the kit. It is necessary for the patient to manually operate the device button with a press to return to the menu selection mode and with a long press to turn off the device.

MANUFACTURER AND CONTACTS

For more information, contact the NCS Lab support team:



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