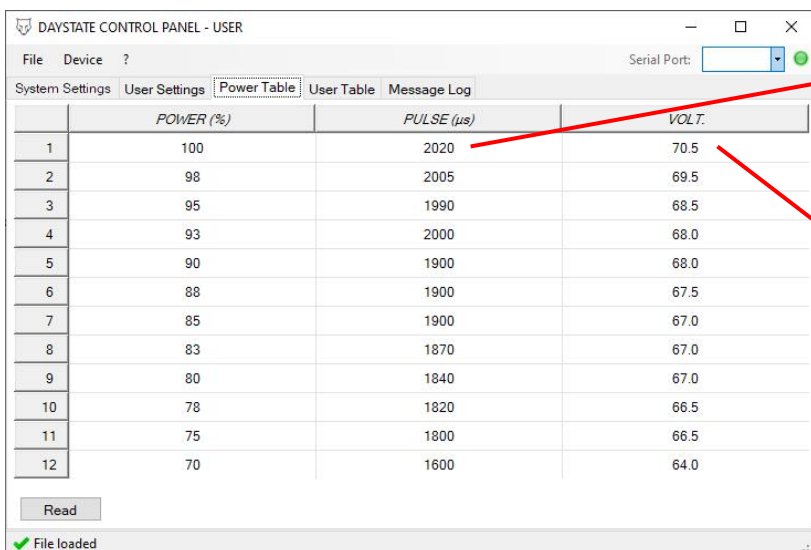


Firmware 1.3.3 sub 12 (control panel 1.7.7) update info / instructions**❖ UPDATING INFO :**

- Starting from this firmware release, the possibility to create and use own shot settings has been introduced.
- The shot setting introduces the possibility of being able to enter / manage the values of the striker hammer activation in order to manage the speed of the shot with maximum precision (within the legal power limits).

❖ EXPLANATIONS :

- Gun is calibrated in the company with power table % value where 100% will correspond to the sub12 limit.
 - The power table can only be viewed but cannot be modified / altered in any way.
- The value of 100% will correspond to the values of pulse length and volt which constitute the power with which the striker hammer hit the firing valve.
- When creating a new set from gun ,in the USER SHOT SETTING, the pulse and volt values will be automatically limited by the software, so even if you keep the + button pressed, the value will stop at the corresponding value in the power table.
- When creating a new set from Control panel , in the USER TABLE menu , if enter values, pulse / volt, higher than the values corresponding to 100% power table and press WRITE, an error message will appear warning you of the wrong value which must be lower than the maximum value set.



	POWER (%)	PULSE (µs)	VOLT.
1	100	2020	70.5
2	98	2005	69.5
3	95	1990	68.5
4	93	2000	68.0
5	90	1900	68.0
6	88	1900	67.5
7	85	1900	67.0
8	83	1870	67.0
9	80	1840	67.0
10	78	1820	66.5
11	75	1800	66.5
12	70	1600	64.0

Read

File loaded



< SELECT HAMMER µs

2020

+

-

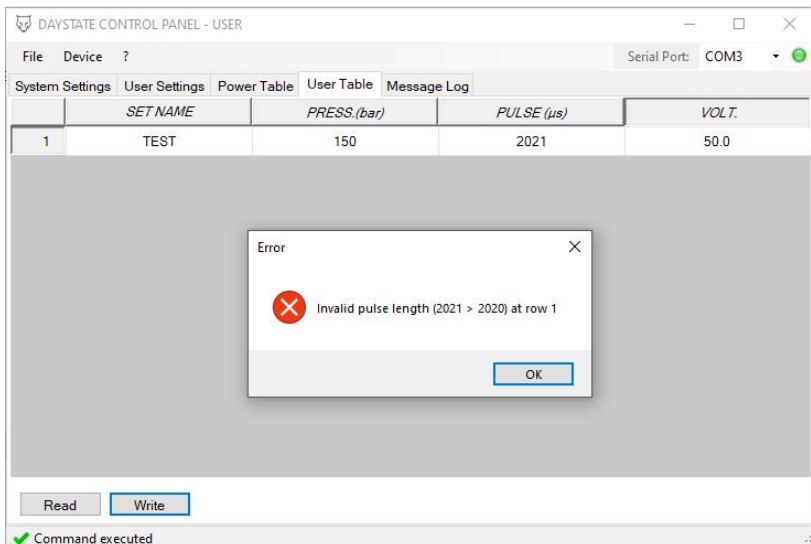


< SELECT VOLTAGE

70.5

+

-



	SET NAME	PRESS.(bar)	PULSE (µs)	VOLT.
1	TEST	150	2021	50.0

Error

Invalid pulse length (2021 > 2020) at row 1

OK

Read Write

Command executed

❖ Do shot setting with gun - USER SHOT SETTING menu

- from home page ,swipe from right to left until reach USER SHOT SETTING , then press.



- if no sets have been stored yet, the only option you have is to create a new set, then press NEW SET.



- using the red buttons, set the desired value, keep the button pressed to increase the speed of change.
- press blue button to confirm.



- using the red buttons, set the desired value, keep the button pressed to increase the speed of change.
- press blue button to confirm.



- the regulated pressure is shown in real time on the blue button.
- since in the sub 12 version the pressure cannot be changed (**it must NOT be tampered , otherwise the power could exceed the limit of 12 ft / lbs**), press the blue button to confirm.



- using the red buttons, set the name ,then press blue button / area to confirm.
- screen back to home screen automatically.



- at this time you have created your custom shot set, **but it is not yet active in the gun to be used.**
- to make the firing set active, the **set must be loaded by activated it from the menu.**
- go to user shot setting and press.
- since you have created / stored a set, the recall set selection will now be active.
- press RECALL SET.
- side swipe to find the name of the set you want to load than press.
- the menu will return to the main screen, showing the active set and its values.

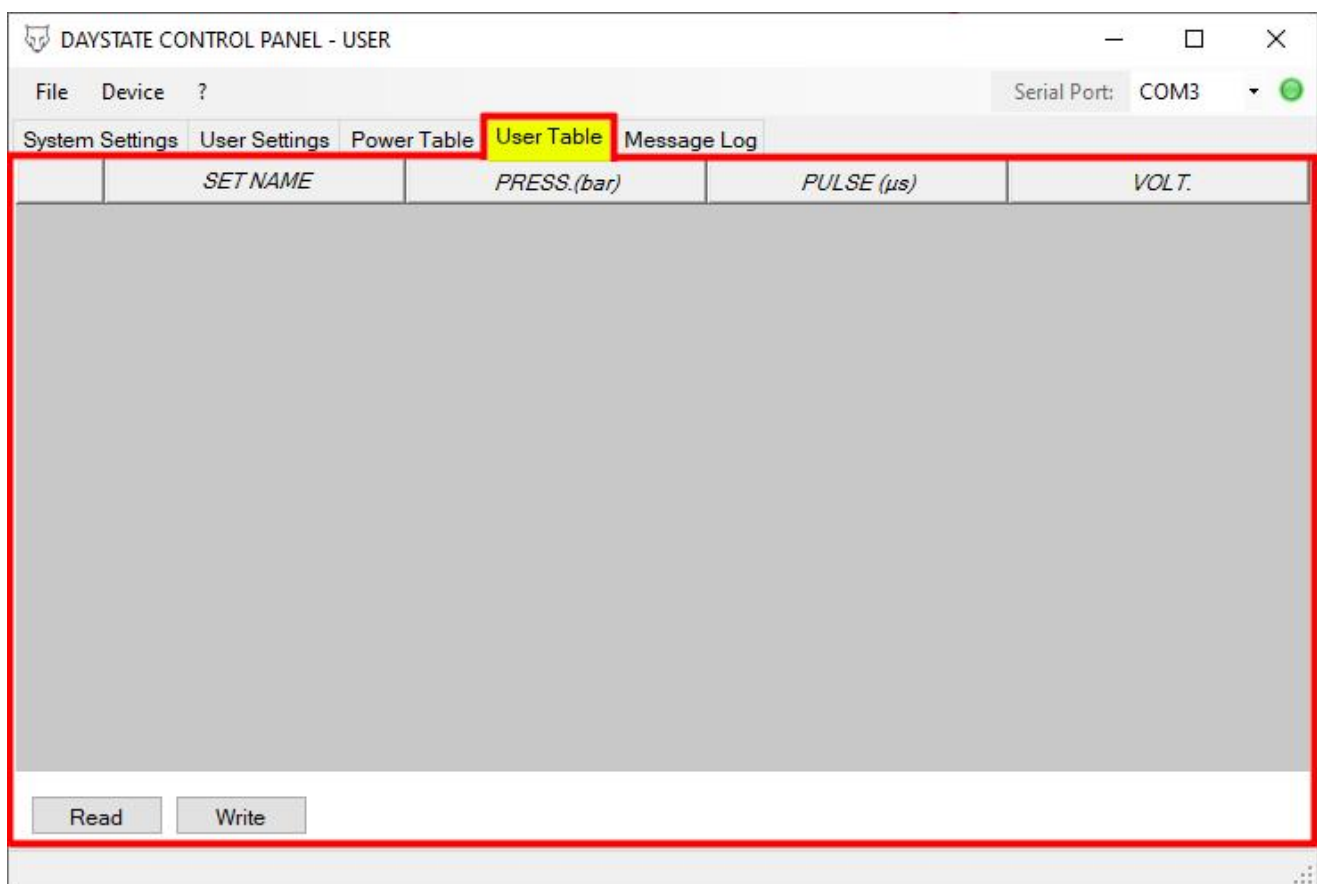


- it is also possible rename or delete the set.



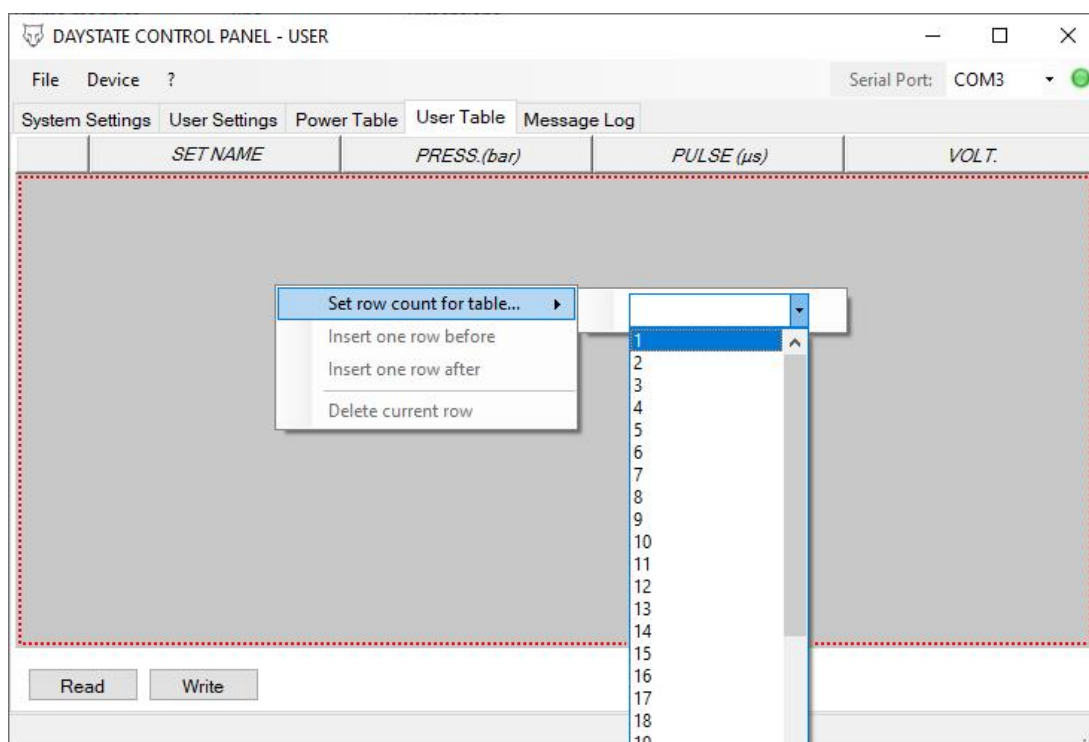
❖ Do / manage shot setting with control panel (from release 1.7.7) - USER TABLE menu

- this menu can be managed in different ways , shot setting/s can be :
 - loaded from the connected gun (if any settings are stored in the gun)
 - can be created, deleted or modified both from the control panel or directly to the gun
- values into menu :
 - SET NAME
 - you can give any name
 - this name will be displayed into the gun
 - maximum 4 characters
 - PRESS. :
 - Value of the regulated pressure
 - in the sub 12 version the pressure cannot be changed
 - **it must NOT be tampered , otherwise the power could exceed the limit of 12 ft / lbs**
 - any value will be set via control panel will have no effect on the performances
 - PULSE : dwell μ s , pulse duration to the solenoid (min. value = 1500 μ s)
 - VOLT : volt value of capacitor (min. value = 50v , setting gap = 0.5)



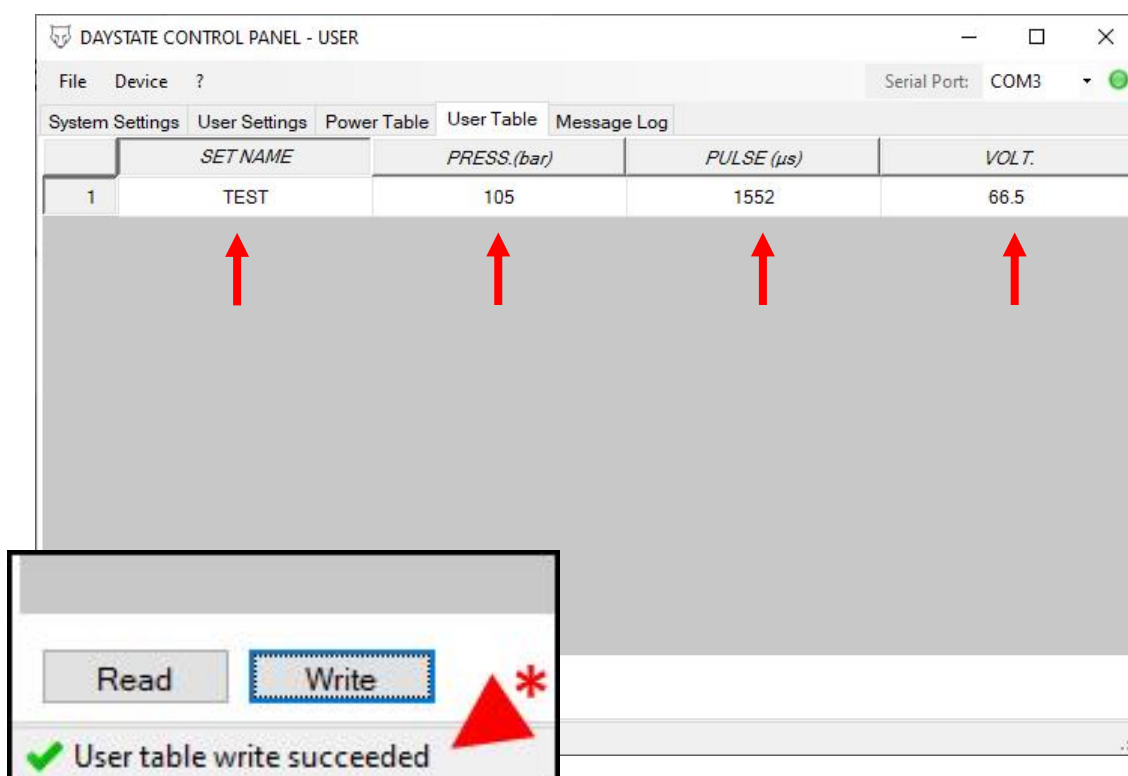
- **Create a new set and load in to the gun**

- right click on the empty grey area (marked in red below) , then select the number of row.
- the rows number correspond to the number of sets you want to create.



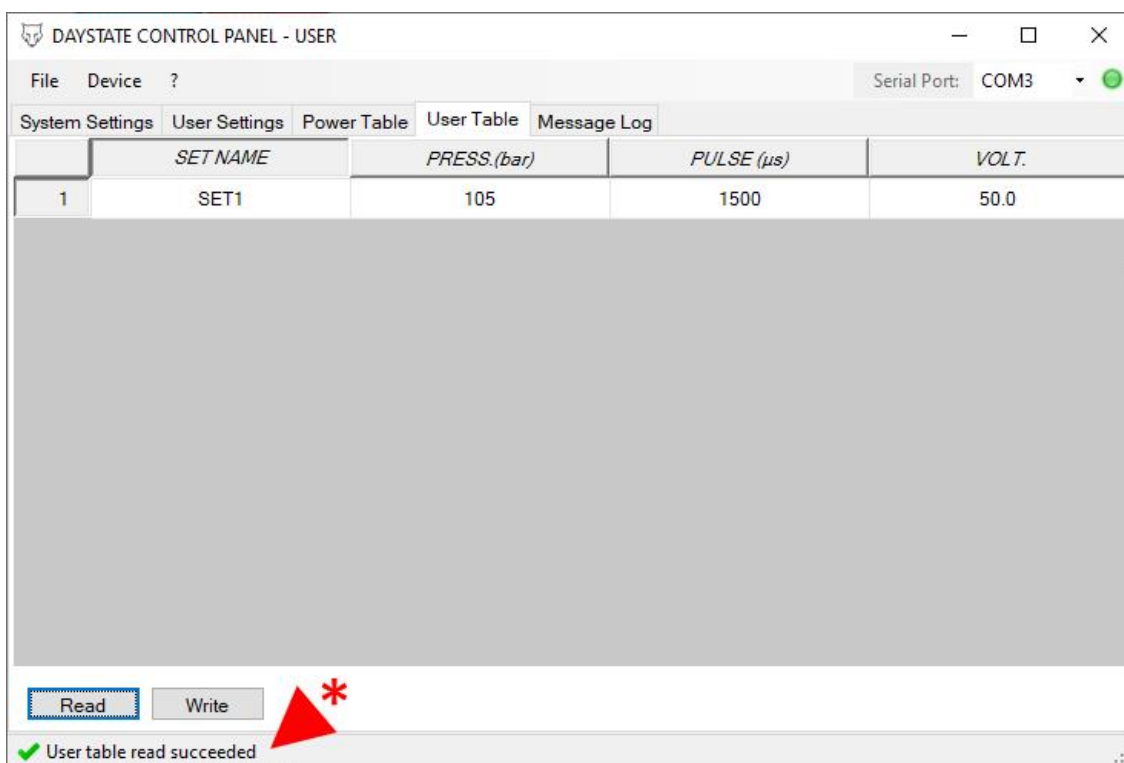
- enter the values , then press WRITE to load the set in to the gun.
- if the loading of the set into the gun is successful, a message will appear at the bottom left (*).
- if WRITE is not pressed, the created sets will not be loaded into the gun.
- if you close the control panel without first loading the sets into the gun or saving the sets in a configuration file (see chapter save / load configuration file), the sets will be lost.

➤ **ATTENTION !! pressing write will delete all the sets stored in the gun and replaced by those displayed in the control panel.**



- **Load set from gun**

- press READ , the set/s stored in the gun will be shown in the control panel.
- if the loading of the set from the gun is successful, a message will appear at the bottom left (*)



- **Managing the user table from control panel**

- to modify name or value , left click on the box that you want modify , then insert value and press enter.
- to add /remove new set from already loaded user sets , right click on the white area near the position number you want manage (highlighted in yellow in the example below) , in this way the line in which we want to make changes (you will notice a graphic alteration in the area highlighted in green) will be selected , then select a function from side menu.

