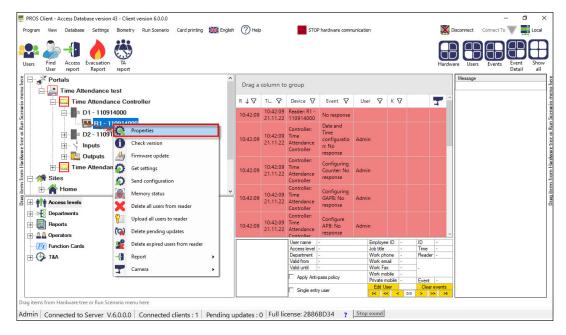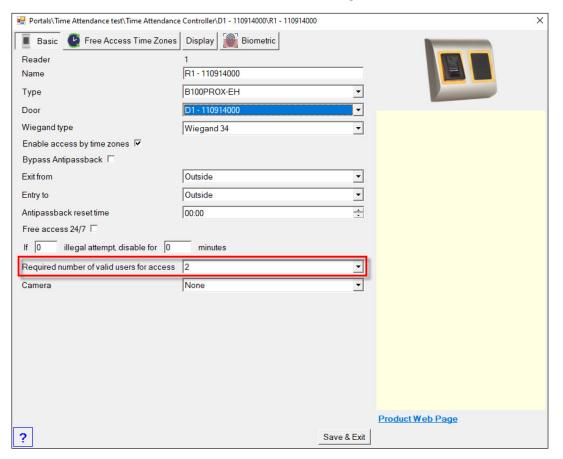# APPLICATION NOTE

1. Open PROS CS.
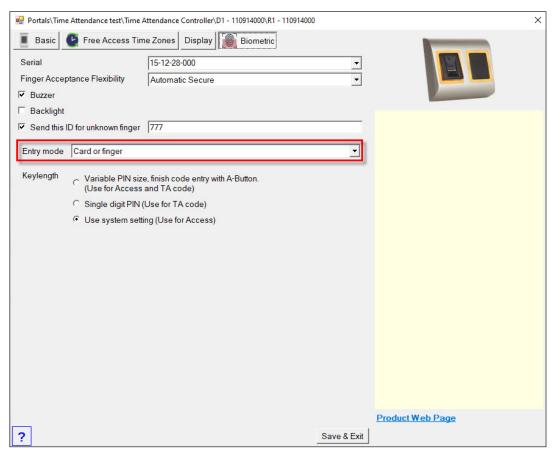2. Right click on the reader, and select "**Properties**".

3. Go to "**Basic**" section and set the field "**Required number of valid users for access**" to **2**.

4. Go to "**Biometric**" section and set the "**Entry mode**" to "**Card or Finger**".
• Click on "**Save and Exit**" at the bottom to save your changes.

5. Go to section "**Users**" and click on the "**New user**" tab.

6. For the new user enter the credentials as follows:
FINGER ID: Any number that doesn't match with existing card or PIN;
Real card ID: Actual Card ID for the user;
PIN Code: Actual PIN code for the user used at the keypad reader.

7. Open section "**Biometry**", and right click on the reader.
• On the pop-up screen click "**Enroll**" and then use your fingerprint on the biometric reader.
• You can also delete previously enrolled fingerprints by clicking "**Delete all**".

8. The keypad installed in parallel with the biometric reader should be set to "**Single wiegand**" with wiegand length matching the biometric reader. Those settings must be set at the reader menu. Recommended settings are Wiegand 34 bit.

Enter "Master Code" press and hold for 3 sec B + 000000

Validation OK? — No → Error Beep (3 short beeps)

Yes

1 small beep + 1 long beep + Orange LED is 'ON'

Change Master Code — 1
Enter New Master Code
Press 6 Digits

Select Output Protocol — 3

1 *	3	4	5	6	7
Wiegand	Clock & Data	Codix	8-bit per key	6-bit per key	4-bit per key

Presets — 6

1	2	5
Wiegand 26bit	Wiegand 34bit	Codix

Site Code Length — 7

1 *	2	3	4
No Site Code	Site Code between 0 to 15	Site Code between 0 to 255	Site Code between 0 to 65535

Enter Site Code — 8
5 digits

Select Type of Wiegand — 2

1 *	2	3	4	5	6	7
Wiegand 26bit	Wiegand 30bit	Wiegand 34bit	Wiegand 37bit	Wiegand 40bit	Wiegand 42bit	Wiegand 58bit

PIN Code Length — 4

0 *	1 - 8
for any length with "A" in the end	for lengths between 1 to 8 digits

Backlight, Buzzer, Parity — 9

0	1 *	2	3 *	4	5 *
Backlight OFF	Backlight ON	Buzzer OFF	Buzzer ON	Parity OFF	Parity ON

Direct Menu exit

Default values marked with *

Press "A" to validate and exit the menu (orange LED OFF)

Entering Menu is always done with B (3 sec) + 000000 if the Master Code is not changed.

Submenu 1 - Change Master Code. The Master Code must be 6 digits. After enrolling new Master Code the MTPAD-M automatically exits the Menu and the new master code must be typed to enter the menu.

Submenu 2 - Select Type of Wiegand. With this the Keypad can be adjusted to send 7 different Wiegand Outputs. The Wiegand selected must be the same as the controller's Wiegand Input where the MTPAD-M Keypad is being connected. Example: If you use a controller that recognizes Wiegand 34bit, then enter the menu of MTPAD-M, press 2, then press 3.

Submenu 3 - Select Output Protocol. The Keypad can send the Code by different Protocols. Use Codix when connected to Vi200, EX5, EX7, INOX99 or VKP99.

Submenu 4 - PIN Code Length. If "0" is selected, then any PIN Code with any length can be sent, but the PIN Code is typed with "A" for confirmation(ex. 123 + A). If 1 to 8 is selected the PIN Code length is determined by the number selected.

Submenu 6 - Presets. The Presets are set of preprogrammed parameters for easy programming.

6-1 "Wiegand 26bit Normal"   - Type: Wiegand 26bit; Output: Single Wiegand; PIN Length: 4 digits; Entry Mode: Card or PIN Code
6-2 "Wiegand 34bit Normal"   - Type: Wiegand 34bit; Output: Single Wiegand; PIN Length: 4 digits; Entry Mode: Card or PIN Code
6-5 "Codix"   - Output: Codix; PIN Length: any length with "A" in the end; Entry Mode: Card or PIN Code

Presets 6-3 and 6-4 to be used always when MTPAD-M is connected to EWS firmware ver.2.42 or higher.

Submenu 7 - Site Code Length. Set the code length sent to Host. Defaul is "0". To be used only in specific cases.

Submenu 8 - Enter Site Code. Put the site code always in 5 digit format (ex. 00170).

Submenu 9 - Backlight. Turns ON/OFF the backlight, buzzer, parity bit.