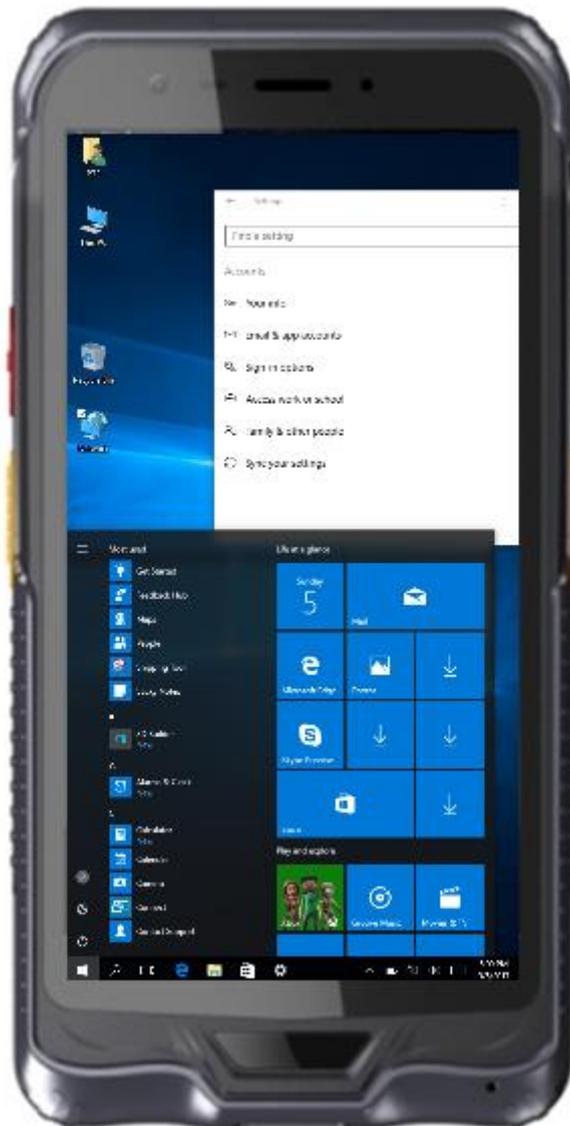


PARTNER

CARE . TRUST . RESPONSIBILITY

MT-6620 User Manual



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1. Identifying Components

Outside parts and connectors.



Interior parts and connections.



- 1. SD Card Slot (Support SDHC/SDXC)
- 2. SIM Slot
- 3. Battery Connector
- 4. NFC Antenna area
- 5. Battery Lock (Like arrow, left is locked, right is unlocked)

2. Accessories

Option	Pictures
Twin Charging Station (*MOQ 200)	
Charging / Docking Station (Optional)	 <div data-bbox="826 544 1361 723" style="border: 1px solid black; padding: 5px;"> <p>can charge one device and one battery</p> <p>* 2x USB 2.0; 1 x RJ-45 LAN (USB and LAN function only compatible with MT-6620 Main Board Version1.4)</p> </div> <div data-bbox="472 734 1070 835" style="border: 1px solid black; padding: 5px;"> <p>SN:  62HWE2330XXY18F0334</p> </div> <p data-bbox="472 869 662 936">D = Version 1.3 E = Version 1.4</p>
Handstrap (optional)	
Pistol Grip (optional)	
Charger	
Battery and -cover	

3. MT-6620 Specification

CPU	Intel® Atom™ x5-Z8350 CPU @1.44 GHz
LCD	Industrial-grade 5.98" IPS display with 1280x720 resolution
Brightness	430 nits
Touch	Capacitive Multi Touch
RAM / ROM	2GB LPDDR3 RAM / 32GB ROM
I/O Interface	1 x Micro USB OTG 1 x Micro SD up to 128GB, supports SDHC/SDXC 1 x Micro SIM 1 x 3.5mm Headphone Jack 1 x Microphone
Operating System	Windows 10 IOT, 32-bit
Wireless Communication	WiFi 802.11 (a/b/g/n) Frequency 2.4GHz + 5 GHz Dual Band BT4.0 (BLE) class 1.5
WWAN	3G WCDMA(900/2100MHz), GSM (900/1800MHz, HSDPA 7.2Mbps, HSUPA 5.76 Mbps)
Button / Keyboard	Power Button, Windows Button, Minus Volume, Plus Volume, Barcode Trigger
Sensor	Compass, Gravity Acceleration Sensor, Gyroscope, Start & Shut Down Indicator Light
IrDA	Supports launch and receive infrared ray
Audio	Built-in microphone Built-in 8Ω / 0.8W speaker 1 x 3.5mm Headphone Jack
Camera	Front: 2MP Rear: 5MP
Battery	3.7V, 5000mAh (Removable Battery Design)
Working Time	4 hours (default 50% volume, default 200 lumens brightness play 720 HD video)
Power Supply	Input: DC100~240V, 50/60Hz Output: DC 5V, 2.5A, Micro USB Interface
NFC	13.56MHz NFC
GPS	Supporting GPS / QZSS / Glonass
Barcode Reader (optional)	1D: Honeywell N4313/Optical resolution: 5mil, scan speed: 50 times/s, supported codes: UPC/EAN, Bookland EAN, UCC Coupon Code, ISSN EAN, Code 128, GS1-128, ISBT 128, Code 39, Trioptic Code 39, Code 32, Code 93, Code 11 2D: Honeywell N3680 hard decode; Optical resolution: 5mil, scan speed: 50 times/s, supported codes: PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code, MicroQR, QR Inverse, Aztec, Aztec Inverse, Han Xin, Han Xin Inverse
IP-Class	IP67
Drop Resistance	1,2m on wood floors
ESD	8kV air discharge, 4kV contact discharge
Dimensions	93mm (W) x 20.7mm (D) x 185mm (H)
Weight	380g
Environment	Operating: Temperature: -10°C ~ +50°C (optional -20°C ~ +60°C) Storage: -30°C ~ +70°C
Packing	Micro USB Power adapter, battery, hand strap, Micro USB to USB Type A Female adapter
Options	1D or 2D barcode reader, NFC, Docking Station, Pistol Grip 4 GB RAM, 64 GB ROM (*only with Minimum Order of Quantity)

4. Pistol grip operation instruction

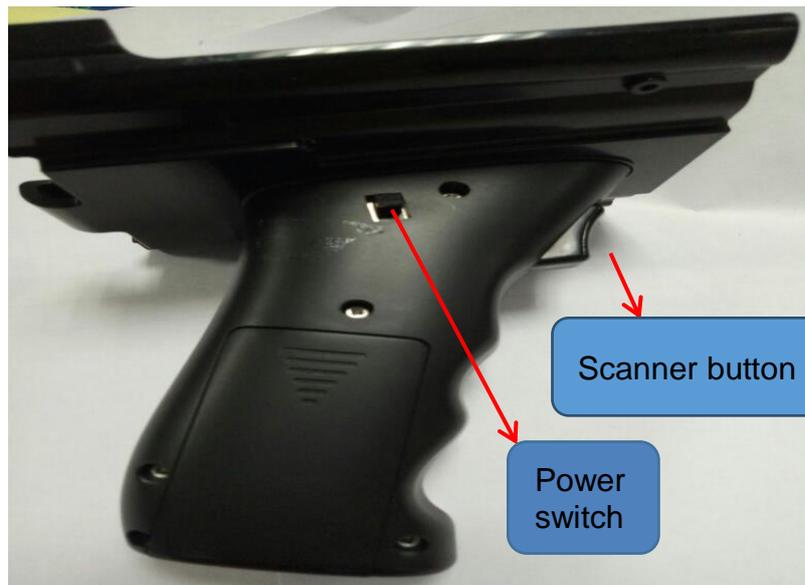
4.1. Button Definition

Power switch

Switch is up: the pistol grip is turned off

Switch is down: the pistol grip turned on

Scanner button: when the pistol grip is connected with the MT-6620 successfully, press the scanner button to scan 1D or 2D barcodes.



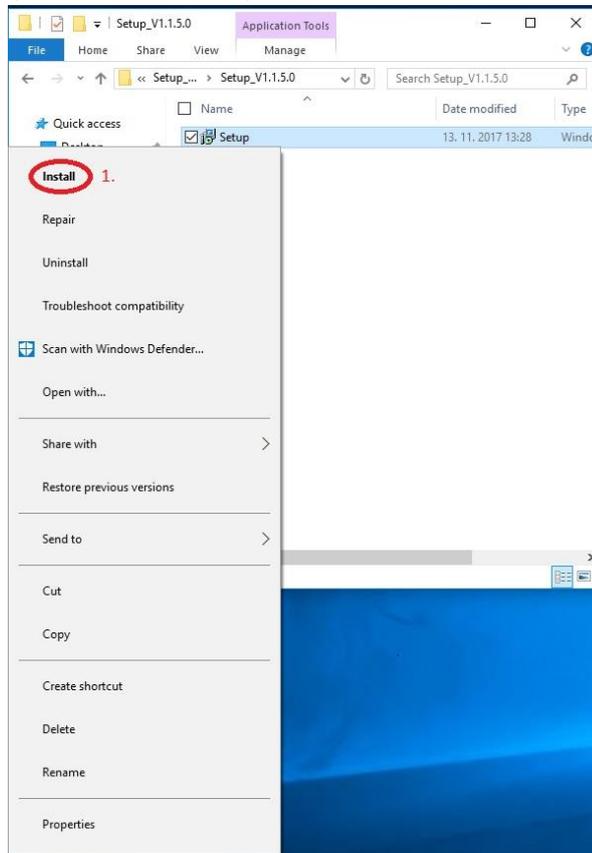
4.2. LED Definition

LED light	Status of Pistol Grip
Off	is turned OFF.
On	is successfully connected with machine
flicker at 1 second interval	is on but is not connected successfully
0,5 second interval continuous flashing	is prepared to connect with the devices



4.3. Scan Application for MT-6620 with WIN10

4.3.1. As followed picture, enter scan application home page setup_v1.1.5.0 (Version number), Select run as an administrator.



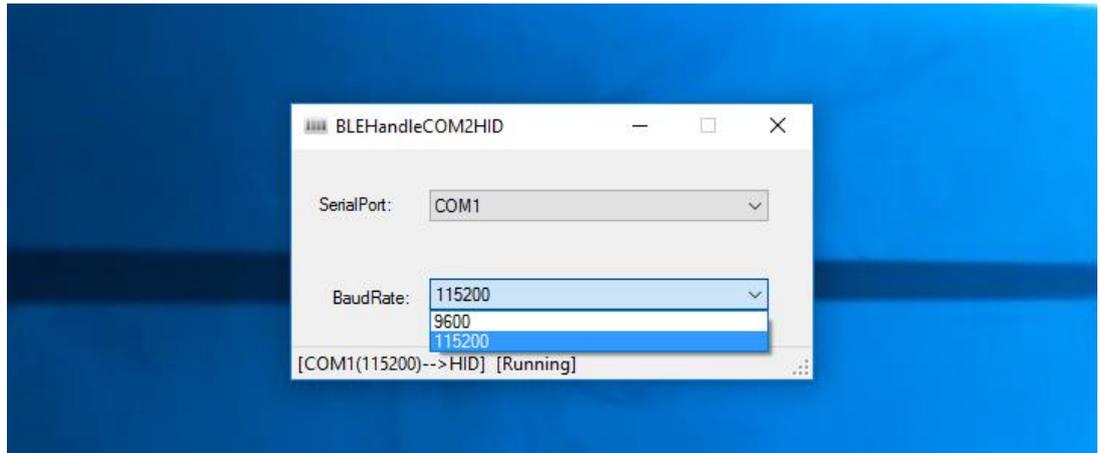
4.3.2. When the application installation finished, desktop or bottom status bar will show a shortcut icon.



Remark: If above shortcut icon is only shown on the desktop and not appear at the bottom status bar, please double click, restart this application. (Not restart device, just restart this application)

4.3.3. Open shortcut icon at the bottom status bar to run it, as followed:
Serial port: default COM 1,
Baud Rate: 1D code module choose 9600, 2D code module choose 115200.

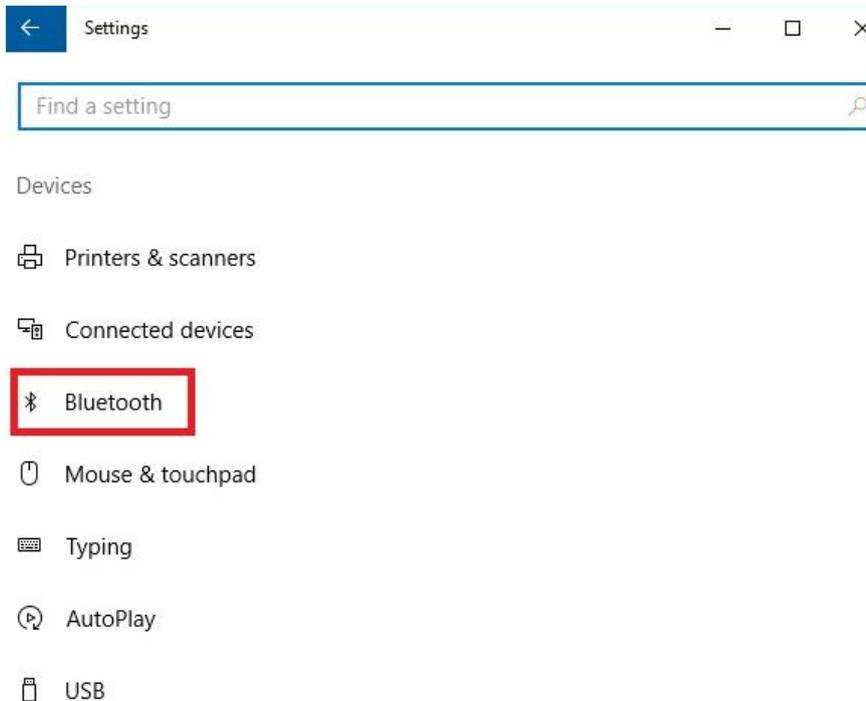




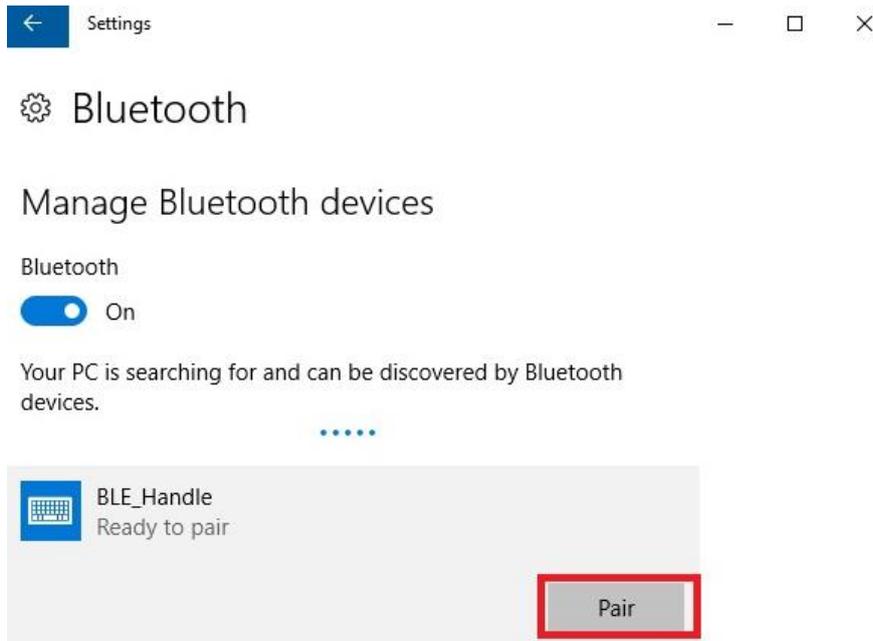
4.4. Bluetooth and pistol grip connect (The instruction is based in RS2 for reference)

4.4.1. Go to Start → Settings → Devices

4.4.2. Click Bluetooth to enter BT. Turn on power switch, search “BLE_Handle” to connect, when shows “connected”, device is connected successfully.



4.4.3. Connected successfully, this blue light is turn on, press scan button to scan barcode

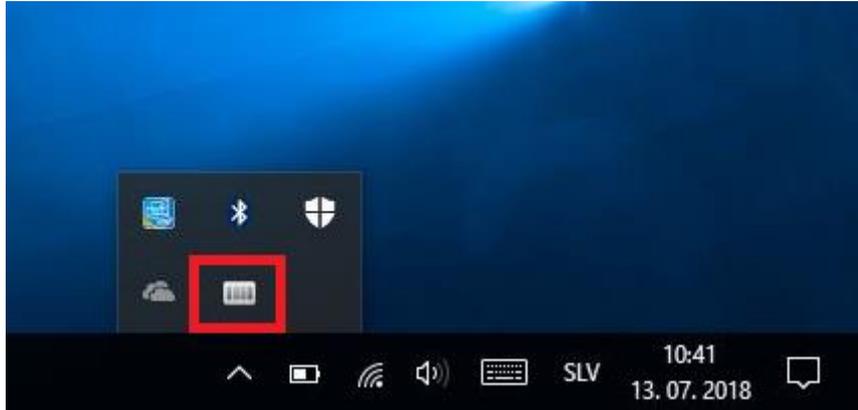


5. Frequently Asked Question

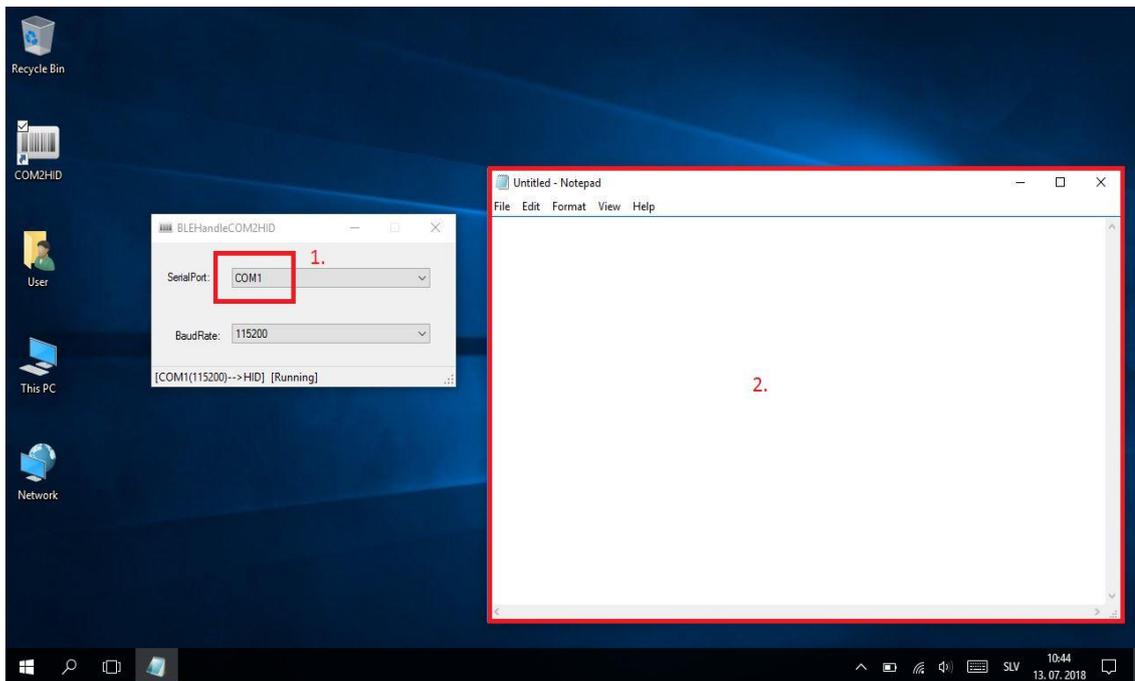
- 5.1. If the pistol grip has been already paired, and needs to connect to another another MT-6620, the following operations are needed:
 - a. Press and hold the scan key while turning on the power switch;
 - b. When the power indicator on the handle flashes at 10S or so, the indicator light will be converted to flash at 1s, indicating previous paired device has been cleared successfully;
 - c. At the moment, you can release the scan button, search the Bluetooth device to connected the corresponding machine.
- 5.2. Bottom status bar does not exist scan application shortcut icon: restart the machine or click on the desktop scan application shortcut icon to restart the application.
- 5.3. Scanning Shortcuts is repeated at the bottom status bar: Click the Apply icon to clear the duplicate icon.
- 5.4. After connected successfully, restart the machine and the handle light shows the flashing state for about 50 seconds. After the lamp goes out automatically, press the scan key to wake up the handle, and the handle will be connected with the machine automatically. Light keep on status means Connection successfully!
- 5.5. The app is installed only for MT-6620 Windows.

6. How to test the Barcode reader with trigger

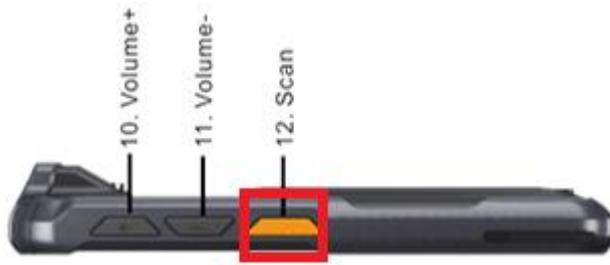
6.1. Check for icon if running COM2HID:



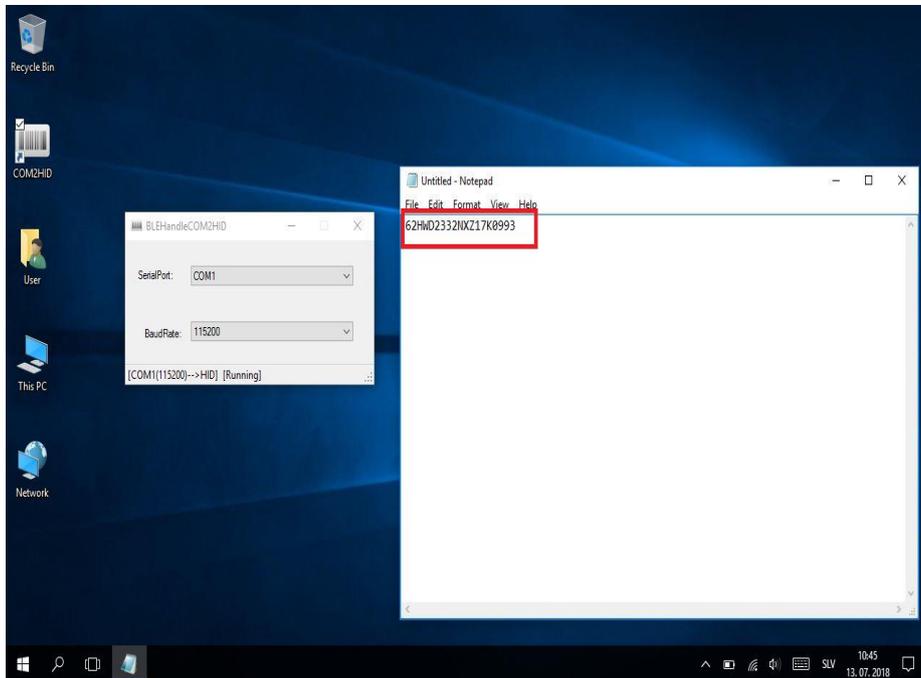
6.2. Open COM2HID and check if the COM port is set to COM1 and open Notepad.



6.3. On the right side is trigger (third button from top)



6.4. Scan a barcode. It will appear in the active Notepad window.



If the pistol grip is used for scanning barcodes, it has to be paired via Bluetooth like described in chapter 3.

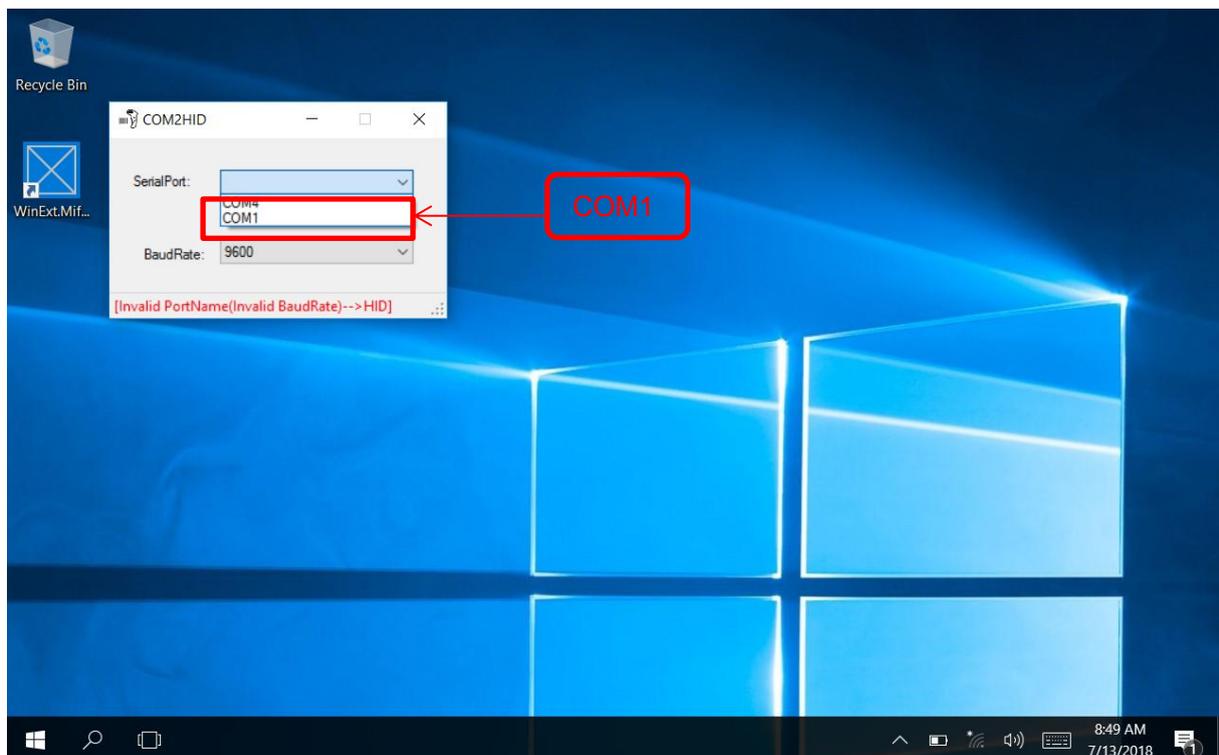
7. How to test the barcode reader (1D and 2D) and NFC

7.1. Test 1D reader

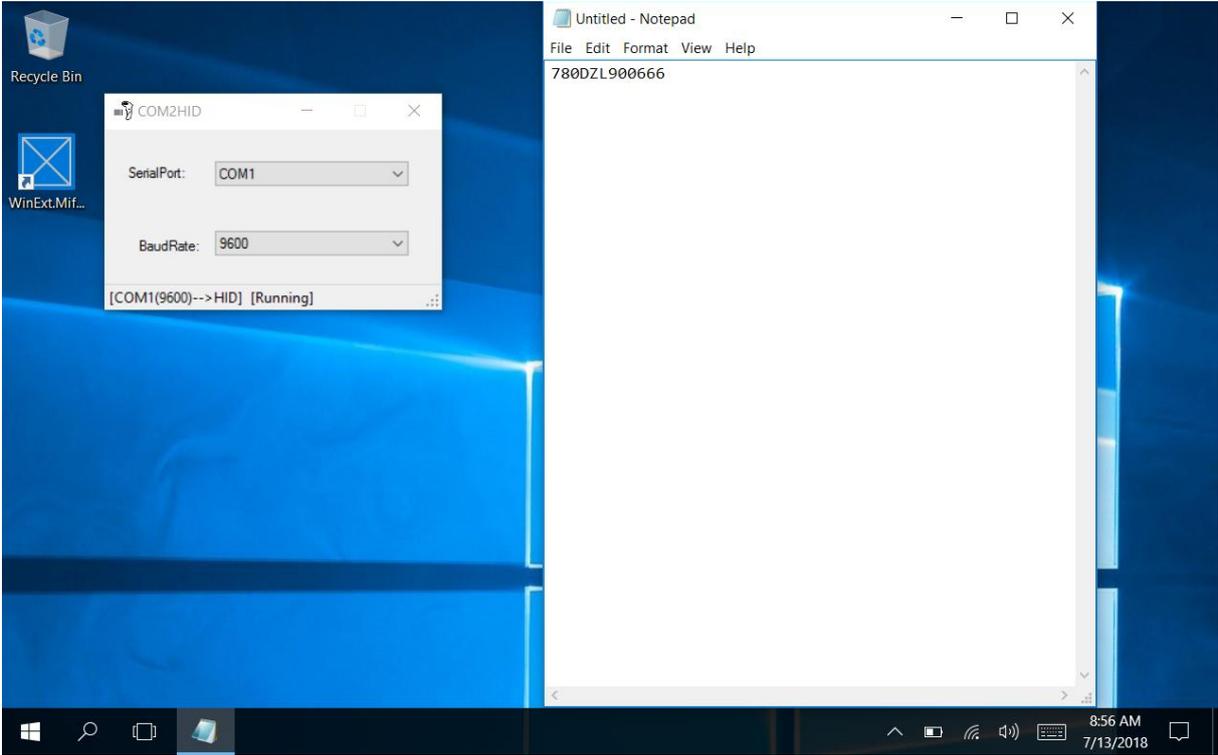
Click the up arrow in the notification area at the right bottom and double click the COM2HID icon:



Check if COM1 is selected, if not please select COM1:

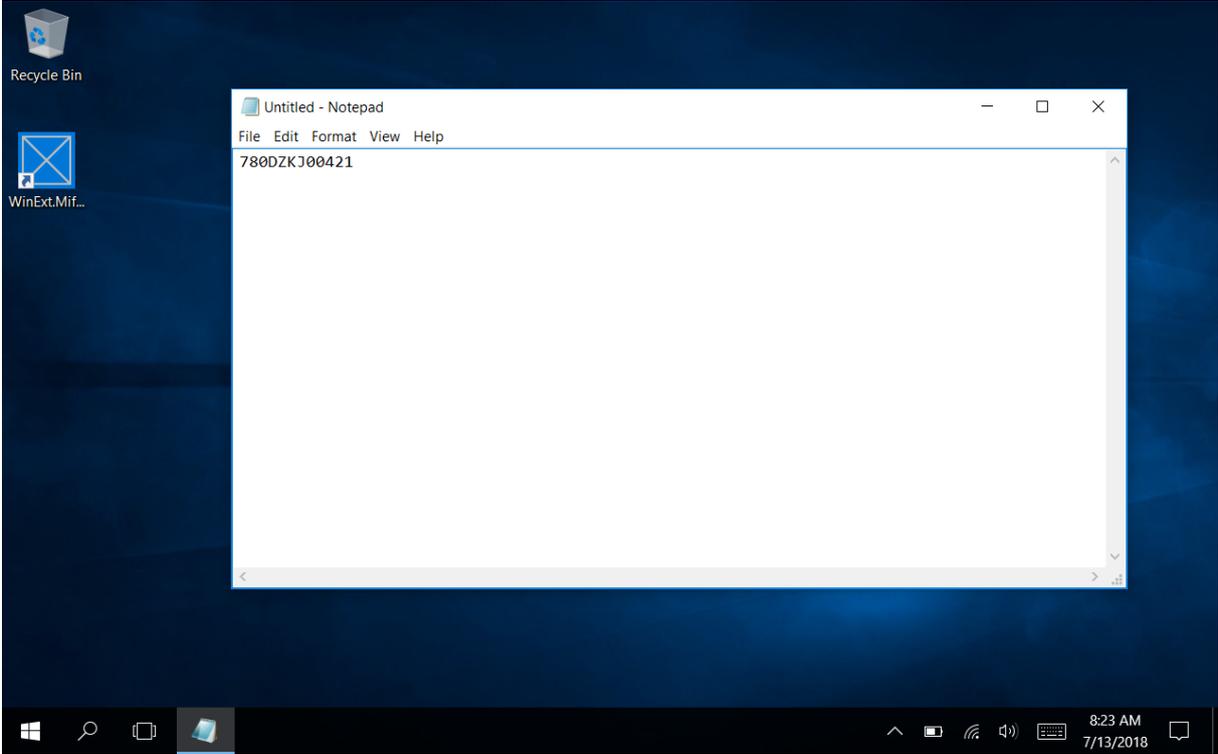


Open Notepad and scan a barcode with Scan key (F key) at the top of device housing:

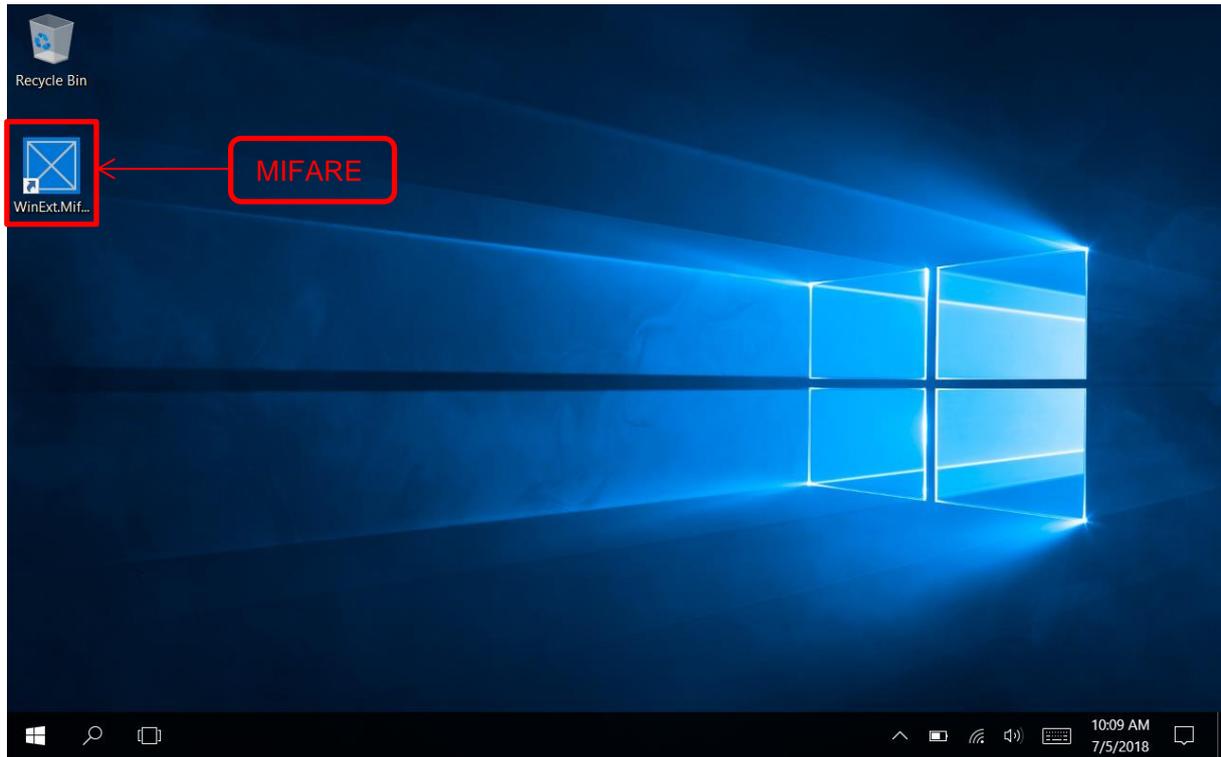


7.2. Test 2D reader

Just open notepad and scan barcode with Scan key (F key) at the top of device housing:



8. Test NFC: Double click on Mifare icon on desktop:



Just hold a standard Mifare card against the upper back cover of the device

