

uFR Online NFC Reader - Android 1.5 version

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Application preview

At the beginning, the application will ask you to allow access to the device's location. Please allow it to be able to scan uFR Online device's that are in BT Serial/BLE mode successfully.

WiFi NFC Reader - μ FR Online

HTTP TCP UDP BT BLE Ver 1.4

IP address / Serial number : SCAN

Manual input: Port : CONNECT

IP or MAC address 80

Beep signal: Light signal: UI SIGNAL

Short Long green

Card UID : GET UID

Command : SEND

Response :

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Card UID : GET UID

Command : SEND

Response :

Allow **uFR Online NFC Reader** to access this device's location?

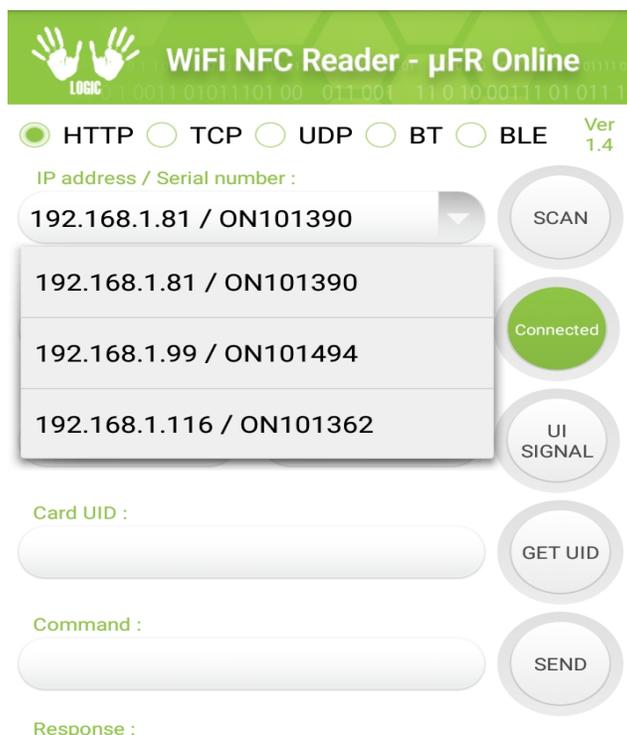
DENY ALLOW

Options

By clicking on the 'SCAN' button, available uFR Online readers will be shown in 'IP_address/Serial_number' format. Notice that you have to be connected to the same network as the reader(s). If you can't find the reader's ip address by clicking on the 'SCAN' button, you can optionally use the provided field for manual input of the IP address. If the IP address is manually entered, the application will prioritize and use that value, if the field for manual ip address input is empty, the application will use IP address from the drop-down list.

When you select the reader's IP address from the drop-down list, and click the button 'GET UID', you will be able to see the card's UID in the text field.

By clicking the button 'UI SIGNAL', you will be able to hear sound from buzzer and alternation light signal.



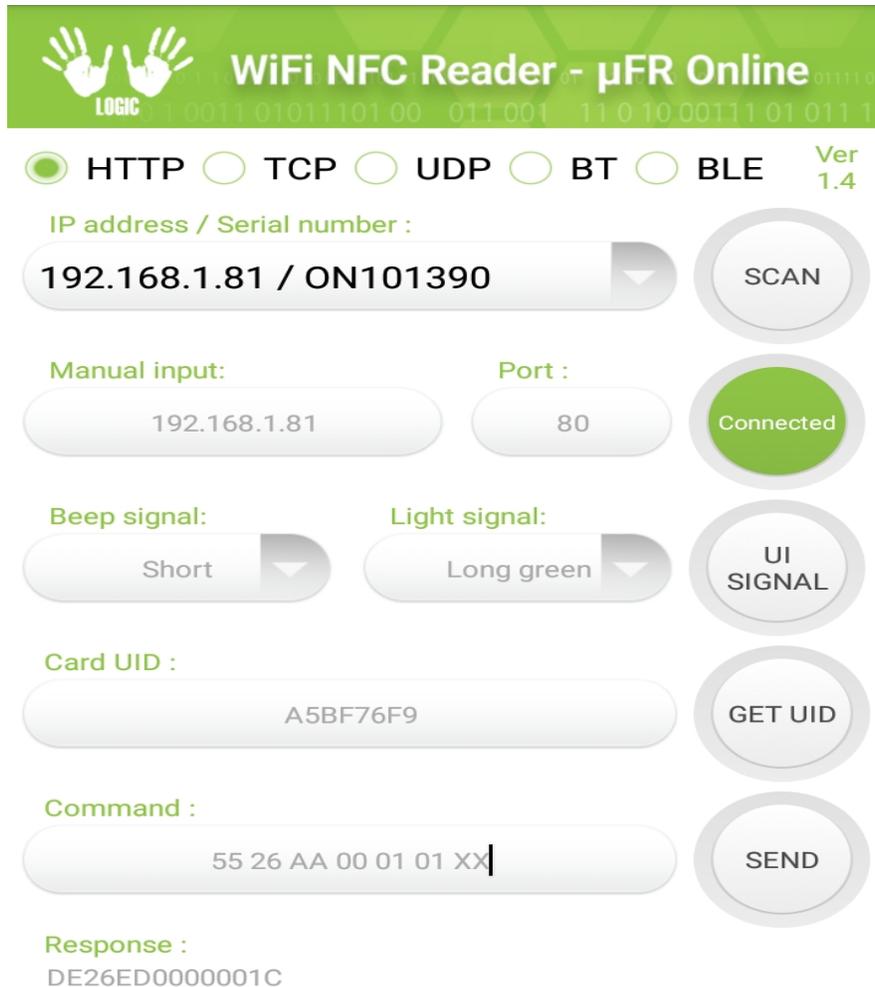
The same thing will happen if you choose UDP or TCP/IP communication protocol.

If the HTTP protocol is selected, then the port is always 80 by default.

If UDP or TCP/IP protocol is selected, you can modify the port by yourself. Note that if you work with HTTP, TCP/IP or UDP connection, the button "CONNECT" will turn to "Connected" and it will become green.

You can also type hexadecimal command from uFR COM protocol to send it to the reader.

Simply type the command and click the 'SEND' button. The picture below shows USER_INTERFACE_SIGNAL command sent to reader:

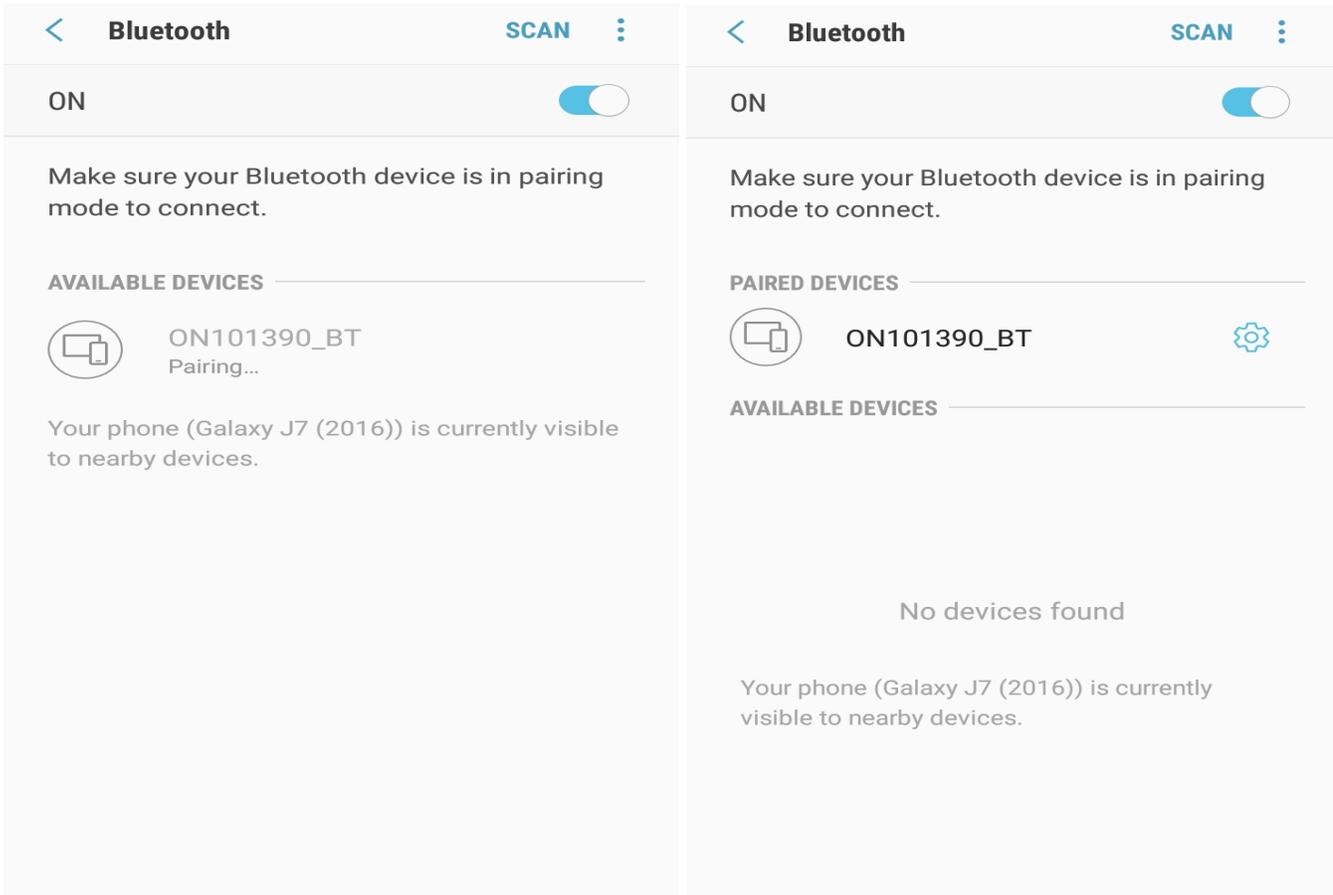


You can also send commands with delimiters, and if you want automatic checksum calculation - you can type 'XX' as the last byte in your command.

BT Serial / BLE mode

Before you start to use this application with uFR Online readers in BT/BLE mode, you need to pair them with your phone. uFR Online devices in BT Serial mode have prefix “_BT” and devices in BLE mode have prefix “_BLE” in their name after serial number.

BT serial pairing



Bluetooth SCAN

ON

Make sure your Bluetooth device is in pairing mode to connect.

AVAILABLE DEVICES

 ON101390_BT
Pairing...

Your phone (Galaxy J7 (2016)) is currently visible to nearby devices.

Bluetooth SCAN

ON

Make sure your Bluetooth device is in pairing mode to connect.

PAIRED DEVICES

 ON101390_BT 

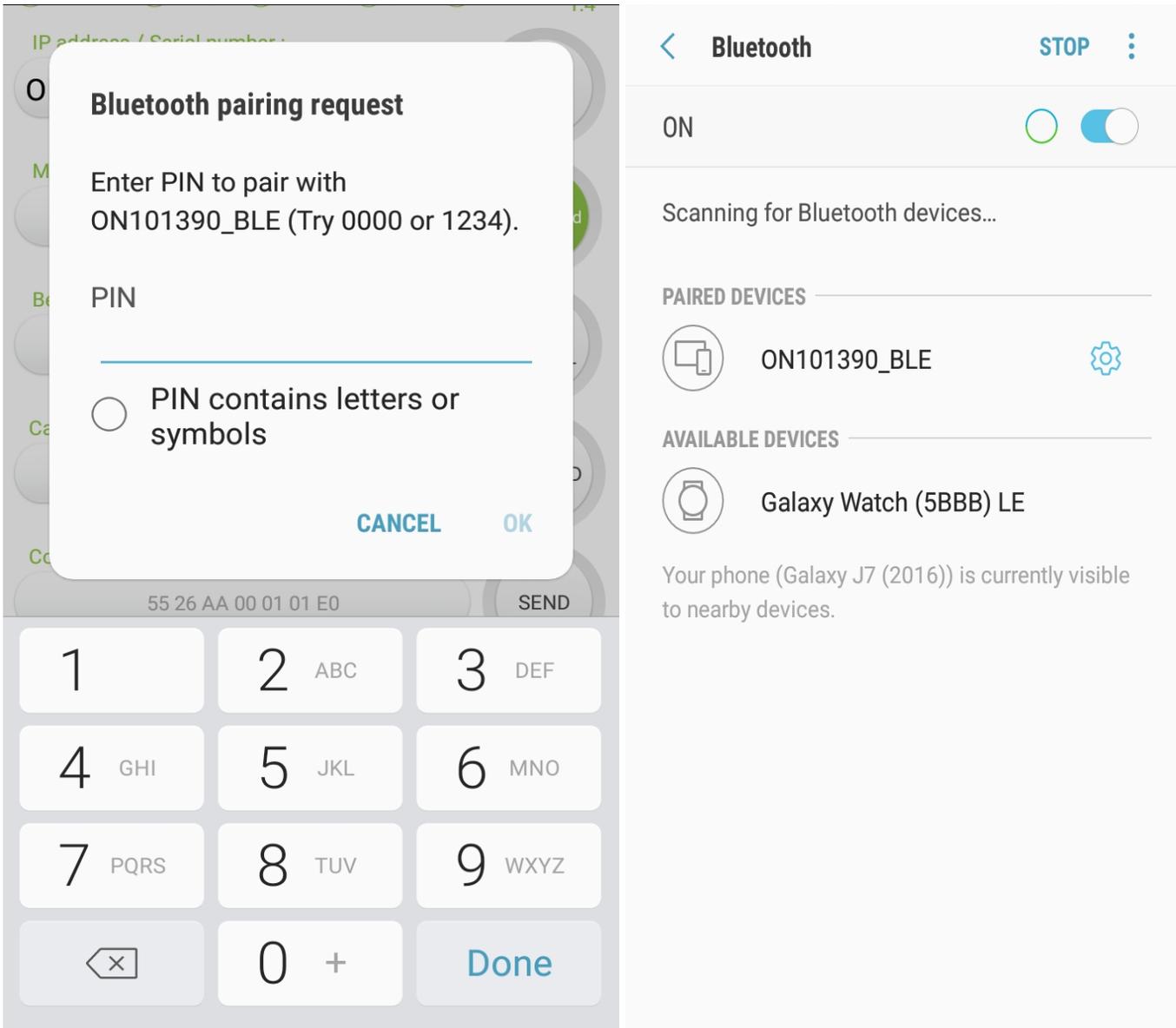
AVAILABLE DEVICES

No devices found

Your phone (Galaxy J7 (2016)) is currently visible to nearby devices.

BLE pairing

When you select the device you want to pair with it, you need to type the device's PIN for pairing.



WiFi NFC Reader - μFR Online

LOGIC

HTTP TCP UDP BT BLE Ver 1.4

IP address / Serial number :
ON101390_BT A4:CF:12:40:30:...

Manual input: A4:CF:12:40:30:06 Port: 80 Connected

Beep signal: Short Light signal: Long green UI SIGNAL

Card UID : A5BF76F9 GET UID

Command : 55 26 AA 00 01 01 E0 SEND

Response : DE26ED0000001C

WiFi NFC Reader - μFR Online

LOGIC

HTTP TCP UDP BT BLE Ver 1.4

IP address / Serial number :
ON101390_BLE A4:CF:12:40:30:...

Manual input: A4:CF:12:40:30:06 Port: 80 Connected

Beep signal: Short Light signal: Long green UI SIGNAL

Card UID : A5BF76F9 GET UID

Command : 55 26 AA 00 01 01 E0 SEND

Response : DE26ED0000001C

Revision history

Date	Version	Comment
2021-10-29	1.5	Keywords and descriptions update
2019-06-17	1.4	Base document