

FNIRSI FNB48 Android Bluetooth APP Instructions

1.0 Introduction

This APP only supports Android 5.1 or above, Bluetooth 4.0 or above, and does not support IOS system temporarily. Since the device uses a BLE Bluetooth module, So you cannot connect to FNB48 through system settings, You need to search and connect in the APP.

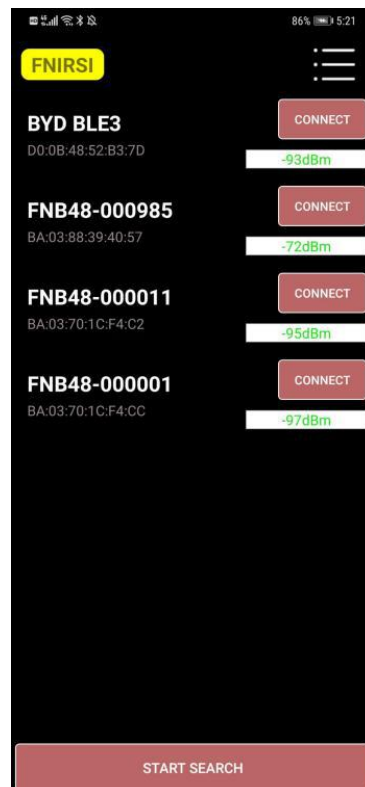
2.0 Software Installation

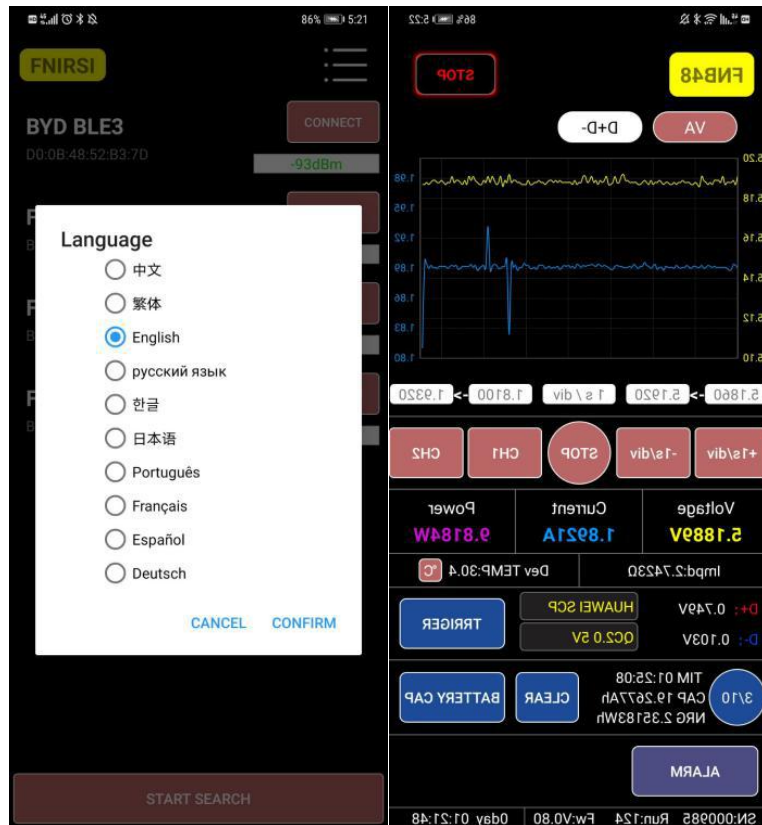
Download the Bluetooth APP installation file on the official website <http://www.fnirsi.cn/support>, Open the apk file and install it directly.

3.0 Software operation

3.0.1 Basic operation

In the scan interface, Click the upper right corner to select the language, After connecting the device to the main display page, You must click the start button in the upper right corner to operate.

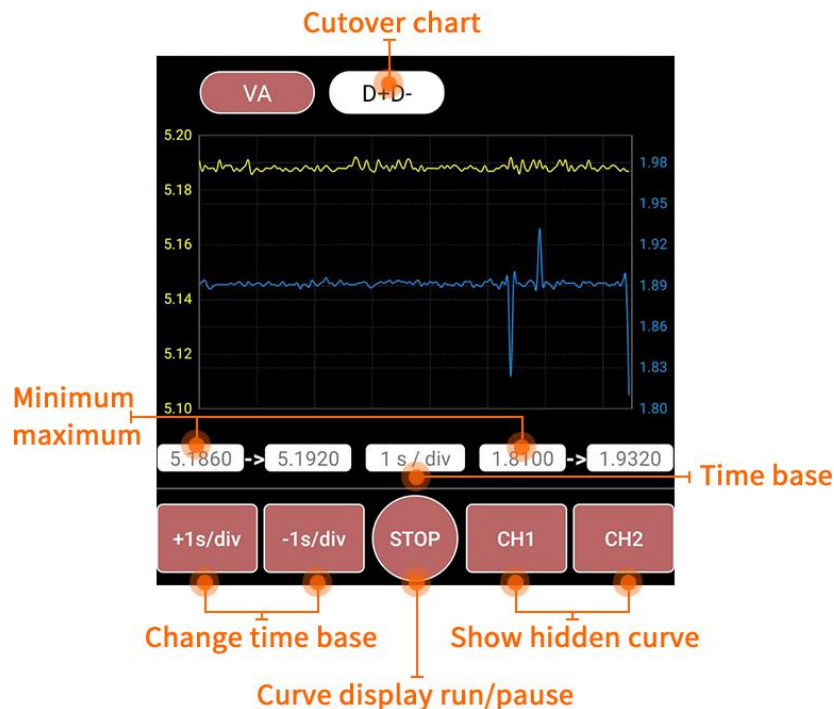




2. The graph, As shown,

In the VA table, Yellow represents voltage (unit: V), Blue represents current (unit: A);

In the D+\D- table, yellow represents D+ (unit: V), and blue represents D- (unit: V).



3. Key Operation Instructions

The screenshot shows a control interface with the following elements and annotations:

- Top Row:** Voltage (5.1889V), Current (1.8921A), Power (9.8184W).
- Second Row:** Impd: 2.7423Ω, Dev TEMP: 30.4°C. An annotation points to the temperature unit icon: "Cutover temperature unit".
- Third Row:** D+: 0.749V, D-: 0.103V. Protocol buttons: HUAWEI SCP, QC2.0 5V. A blue button labeled "TRRIGER" has an annotation: "Enter trigger control".
- Fourth Row:** Statistics: TIM 01:25:08, CAP 19.2677Ah, NRG 2.35183Wh. Buttons: CLEAR, BATTERY CAP. Annotations: "Switch statistics group" points to the 3/10 indicator; "Enter battery capacity calculation" points to the BATTERY CAP button; "Clear the current statistics group" points to the CLEAR button.
- Fifth Row:** ALARM button. An annotation points to it: "Overcurrent and overvoltage alarm settings".
- Bottom Row:** SN:000985, Run:124, Fw:V0.80, Oday 01:21:48. An annotation points to the Oday field: "Equipment running time".

4. Application triggers only support QC2.0/QC3.0/Huawei FCP/Samsung AFC protocols for the time being.

The screenshot shows the trigger protocol configuration screen with the following details:

- Top Bar:** FNB48 (yellow button), STOP (red button).
- Status:** Current status: Idle.
- Protocol Selection:**
 - Qualcomm QC2.0 (5V/9V/12V/20V)
 - Qualcomm QC3.0 (3.0~20.0V)
 - HUAWEI FCP (5V/9V/12V)
 - SAMSUNG AFC (5V/9V/12V)
- Voltage Setting:** Select the trigger voltage: 5.00V. Includes a slider with minus and plus buttons.
- Action Buttons:** Stop trigger, Trig, Help, Return.
- Bottom Section:**
 - Voltage: 5.1884V, Current: 1.8922A, Power: 9.8177W.
 - Impd: 2.742Ω, Dev TEMP: 30.6°C.
 - D+: 0.755V, D-: 0.101V. Protocol buttons: HUAWEI SCP, QC2.0 5V. Blue button: TRRIGER.
 - Statistics: 3/10, TIM 01:25:45, CAP 19.3677Ah, NRG 2.37109Wh. Buttons: CLEAR, BATTERY CAP.
 - ALARM button.
 - Bottom status: SN:000985, Run:124, Fw:V0.80, Oday 01:22:25.

5. Select the parameters below to modify the parameters uniformly.

VBATT: (3.0–5.0V) Battery voltage (3.0–5.0V)

EFF: Charging efficiency (80–100%)

87% 5:23

FNB48 **STOP**

	CAP (Ah)	NRG (Wh)	VBATT (V)	EFF (%)	BATT CAP (Ah)
1	8.3547	1.1229	3.7	90.0	0.2731
2	0.0000	0.0000	3.7	90.0	0.0000
3	19.443	2.3856	3.7	90.0	0.5803
4	0.0027	0.0005	3.7	90.0	0.0001
5	0.0081	0.0016	3.7	90.0	0.0004
6	0.0000	0.0000	3.7	90.0	0.0000
7	0.0000	0.0000	3.7	90.0	0.0000
8	0.0000	0.0000	3.7	90.0	0.0000

Total: VBATT(V)= 3.7 **Help** **Return**

EFF(%)= 90

Voltage: **5.1914V** Current: **1.8350A** Power: **9.5265W**

Impd: 2.829Ω Dev TEMP: 30.8 °C

D+: 0.755V **HUAWEI SCP** **TRIGGER**

D-: 0.098V **QC2.0 5V**

5/10 TIM 00:00:06 **CLEAR** **BATTERY CAP**

CAP 0.01611Ah
NRG 0.00310Wh

ALARM

SN:000985 Run:124 Fw:V0.80 Oday 01:23:00

6. Set overcurrent and overvoltage alarm

87% 5:23

FNB48 STOP

	CAP (Ah)	NRG (Wh)	VBATT (V)	EFF (%)	BATT CAP (Ah)
1	8.3547	1.1229	3.7	90.0	0.2731
2	0.0000	0.0000	3.7	90.0	0.0000
3	19.443	2.3856	3.7	90.0	0.5803
4	0.0027	0.0005	3.7	90.0	0.0001
5					
6					
7					
8					

4.0 <=Vol<= 24.0

Cur<= 5.0

Bell switch

Vibration switch

When the voltage and current are out of range, the mobile phone vibrates or rings to remind.

CANCEL CONFIRM

D+: 0.754V HUAWEI SCP TRIGGER

D-: 0.103V QC2.0 5V

5/10 TIM 00:00:15 CAP 0.04015Ah CLEAR BATTERY CAP

NRG 0.00773Wh

ALARM

SN:000985 Run:124 Fw:V0.80 0day 01:23:09

4.0 Dear FNIRSI customers, We are very grateful for your support and trust in FNIRSI products, If you have any suggestions or ideas, Welcome to join our official VK community to discuss and exchange, If you encounter problems during use, You can also contact us through VK or contact us through WHAT SAPP. We will notify the latest product information on the official website, VK community and WhatsApp group.

VK Community:

<https://vk.com/public201661343>

WhatsApp Groups:

<https://chat.whatsapp.com/H7d1YzTYzWmGaSv1N8OMAb>

