

DFS200 APP

AED Testing APP



- [DFS200 APP User and Scenario](#)
 - [DFS200 APP Overview \(standalone mode, not logging in to the AIMS\)](#)
 - [DFS200 APP Overview \(logging in to the AIMS\)](#)
 - [Maintenance Order Overview](#)
 - [Create a Maintenance Order](#)
 - [Process a Maintenance Order](#)
 - [Download a Test Report](#)
 - [Set a Quick Test](#)
 - [Use a Quick Test for the Discharge Test](#)
- 

DFS200 APP User and Scenario



AED
Field Technician

Create and process orders **on-site**

- ① Create a Maintenance Order
- ② Process a Maintenance Order

Process orders assigned through the AIMS

Process a Maintenance Order

User

Scenario

Instruction

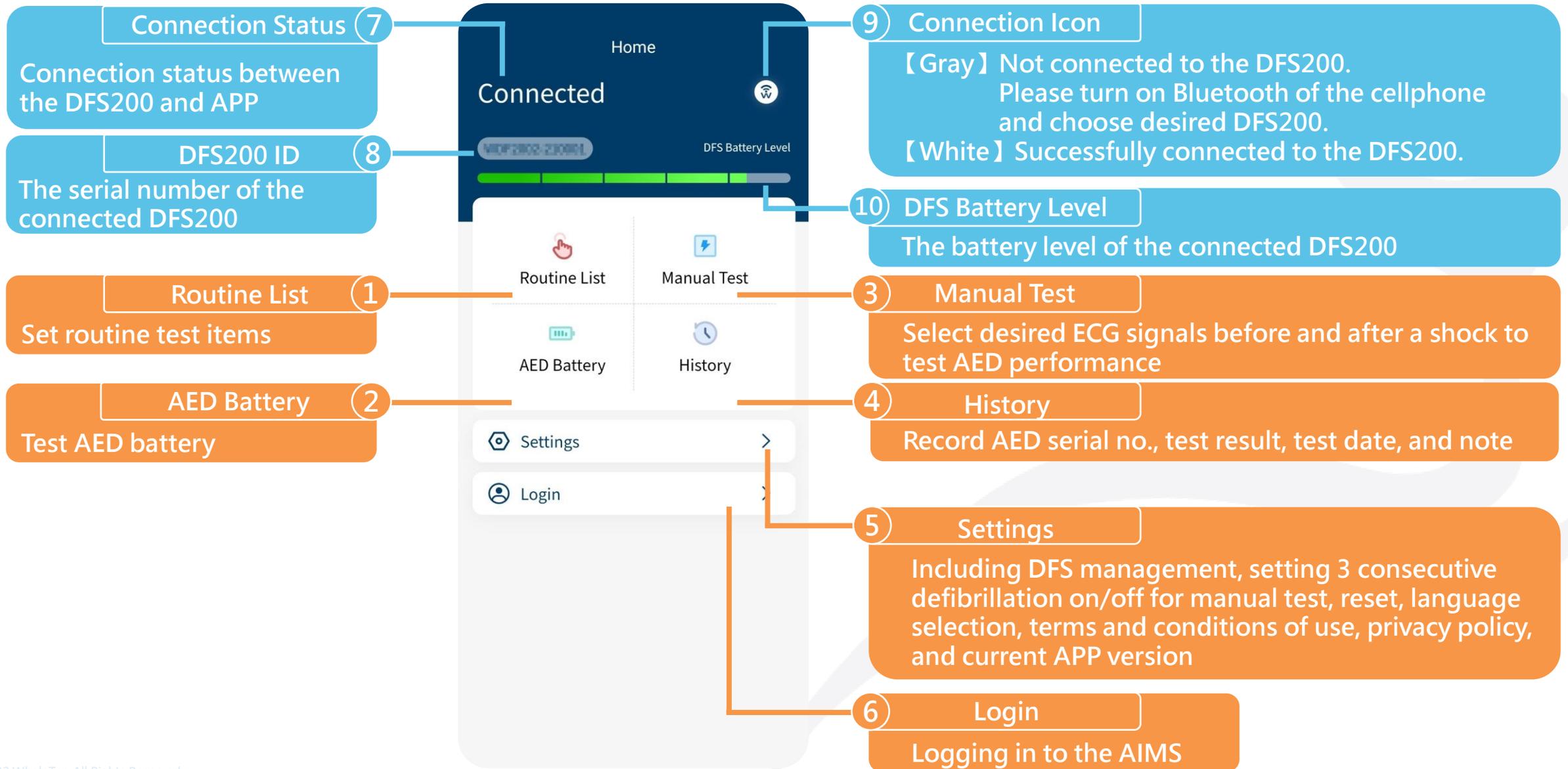
AED
Owner

Create and process orders **on-site**

- ① Create a Maintenance Order
- ② Process a Maintenance Order



DFS200 APP Overview (standalone mode, not logging in to the AIMS)



DFS200 APP Overview (logging in to the AIMS)



The screenshot shows the DFS200 app home screen. At the top, it displays 'Home', 'Connected', and a 'DFS Battery Level' indicator. Below this are buttons for 'Routine List', 'Manual Test', 'AED Battery', and 'History'. A bottom navigation bar contains icons for 'Equipment', 'Data Collection', 'Today Order', 'Order', 'My Message', 'Settings', and 'Log Out'. Seven numbered callouts point to these features:

- 1 Equipment**
Check the status of AEDs owned by the manager
- 2 Data Collection**
Manually upload the status of AED and AED cabinet
- 3 Today Order**
Check today's order
- 4 Order**
Check all orders assigned to the account
- 5 My Message**
Check newly added orders
- 6 Settings**
Edit personal information, set quick tests and reminder of order expiration, change the password, etc. besides items shown before the login
- 7 Log Out**
Log out of the AIMS

Maintenance Order Overview



The maintenance order includes 8 items:

- ① Basic Information
- ② Outer Case
- ③ AED Main Unit
- ④ Battery
- ⑤ Accessories
- ⑥ Functionality
- ⑦ Replace Consumables
- ⑧ Photos and Signatures

Basic Information ①

Including the processor, process result, maintenance time, AED Battery Test, Manual Test, etc.

Outer Case ②

The status of the AED cabinet, cabinet alarm, and wall signboard

AED Main Unit ③

The status of AED's appearance, status indicator, voice prompt, etc.

Maintenance Order Overview



4 Battery

AED battery test result

Battery

AED battery level

Accessories

Electrode Pads Sealed in Package

Sealed Torn N/A

(Certain model) Pediatric Pad or Key

Sealed Torn N/A

Kit (Scissors, Razor, Mask, Gloves, etc.)

Normal Abnormal N/A

5 Accessories

The status of AED electrode pads and accessories

Functionality

Defibrillation delivered?

Yes No

Defibrillation Energy Threshold

Adult Child

Adult joule number standard range

127.5 - 172.5

Actual shock joules

Factory battery voltage

15

6 Functionality

AED discharge test result

Replace consumables

Standard-Pad - Standard-Pad - Standard - Maturity date

2026-03-05 08:00:00

7 Replace Consumables

Expiration dates of consumables



Live photos



Customer Sign



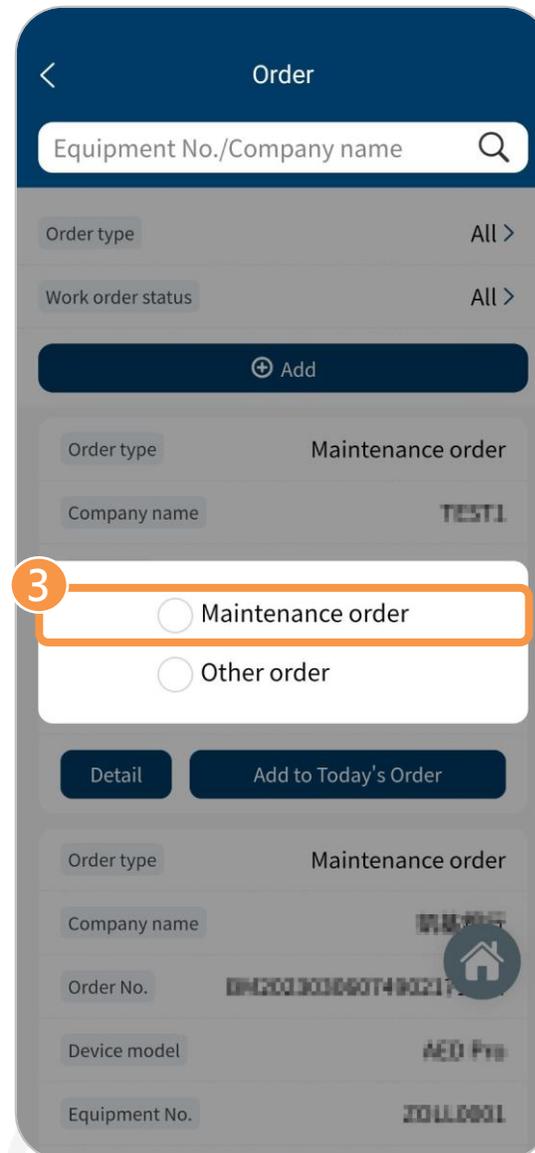
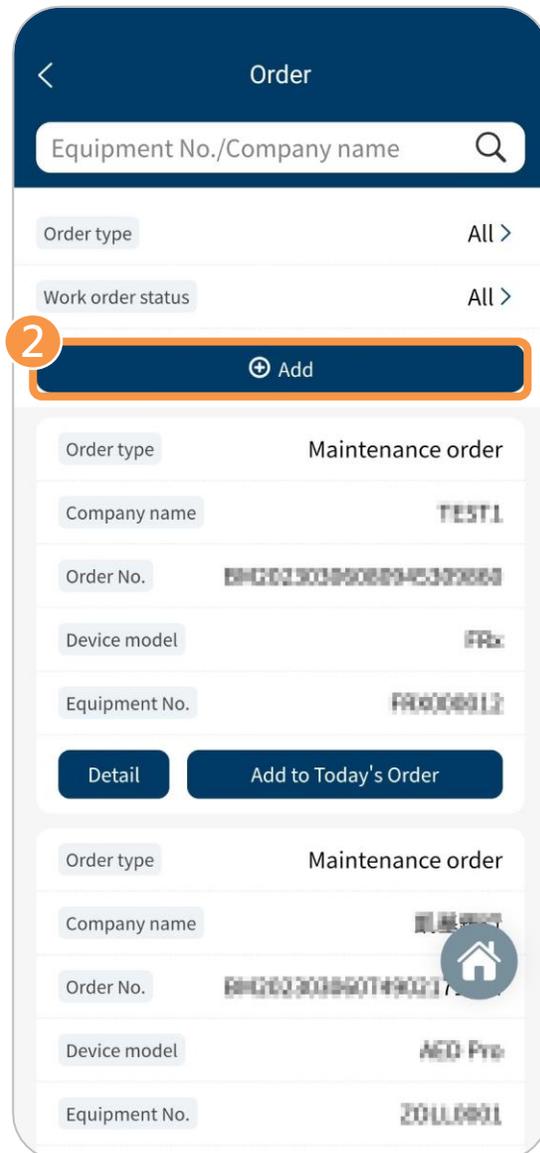
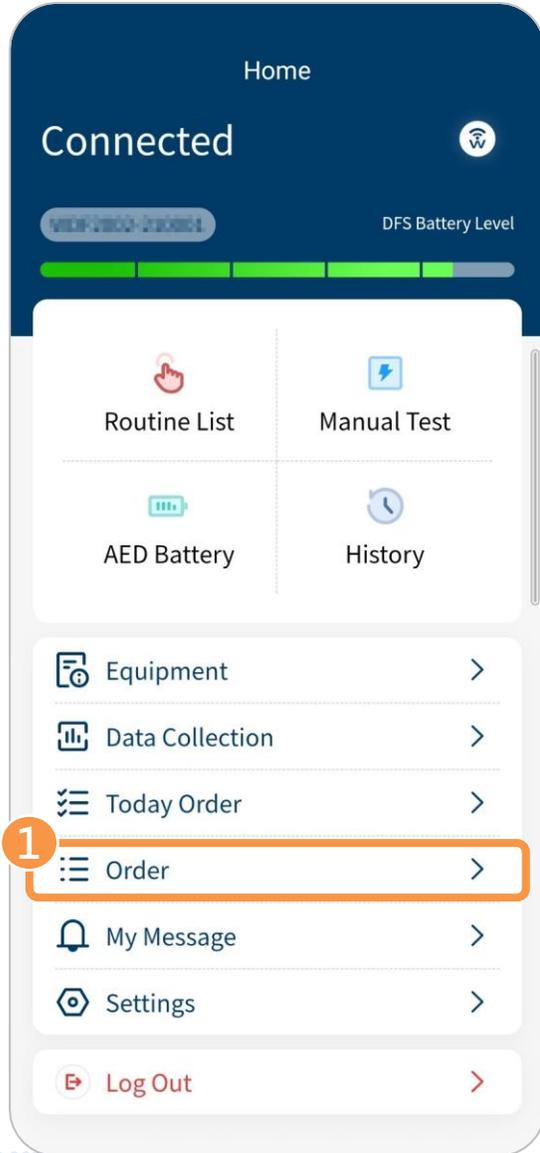
Engineer Sign



8 Photos and Signatures

Photos taken on-site and signatures of the AED owner and field technician

Create a Maintenance Order



① Select **Order** on the Home page.

② Click **Add** button on the Order page.

③ Select **Maintenance Order**.

Create a Maintenance Order



Select equipment

Equipment No./Company name

4

Equipment No. FFX009012
Brand FRx
Company name TEST1
Installation time 2023-03-08

Equipment No. ZOLL0000
Brand AED Pro
Company name 德曼德
Installation time 2023-03-02

Equipment No. SAH000-0001
Brand SAM 300P
Company name 台灣德曼德
Installation time 2023-03-02

Equipment No. HMC2180-0001

Confirm

New maintenance order

Order type Maintenance order

Device model FRx

Equipment No. FFX009012

Brand PHILIPS

Production date 2023-03-03 00:00:00

Warranty date 2023-03-31 00:00:00

Company name TEST1

Contact person TEST1

Contact number

Job title

Email

Installation Equipment maintenance and replacement of consumables

Address

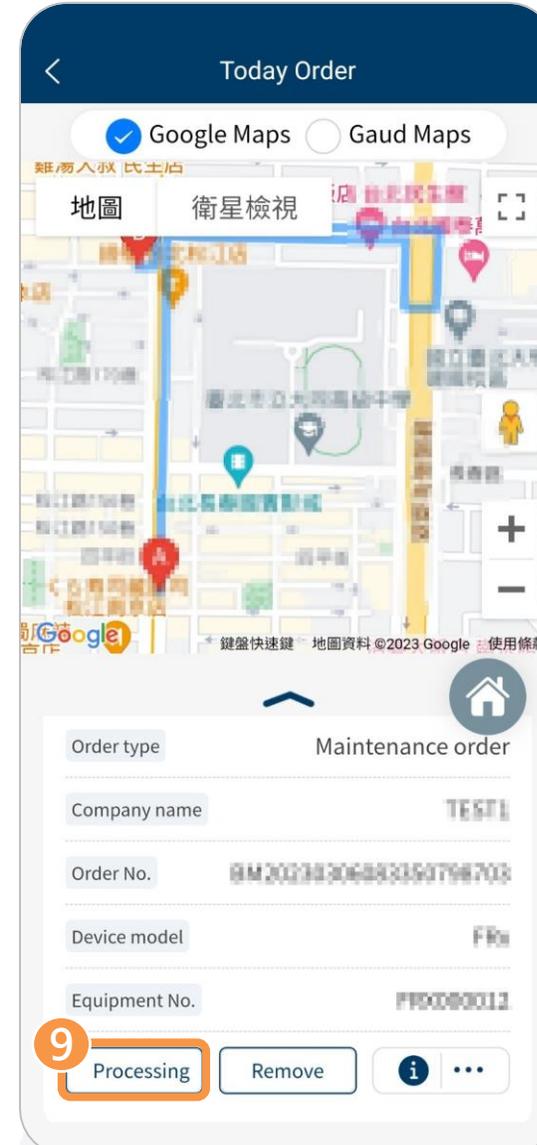
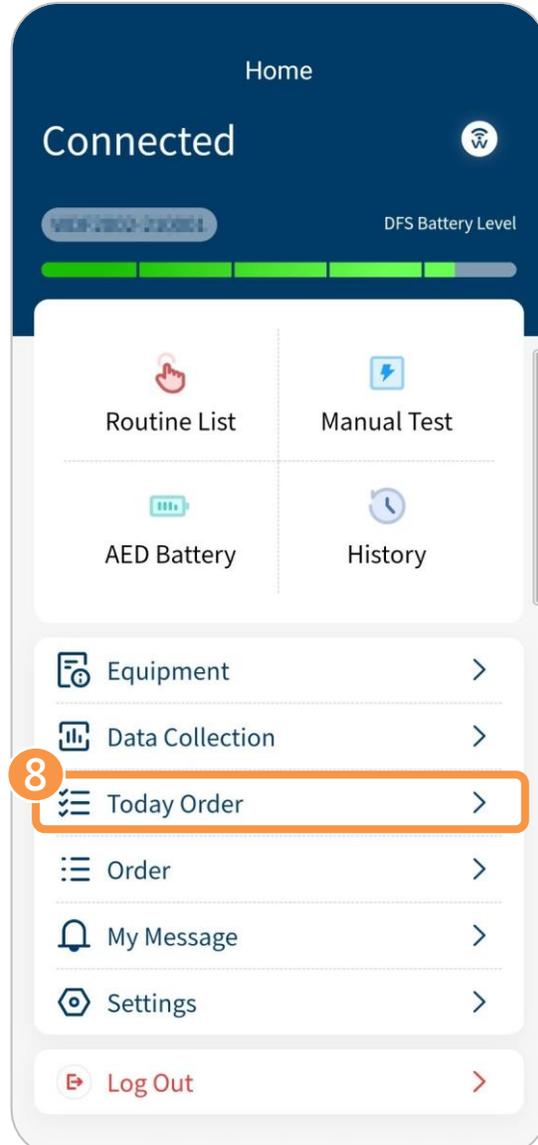
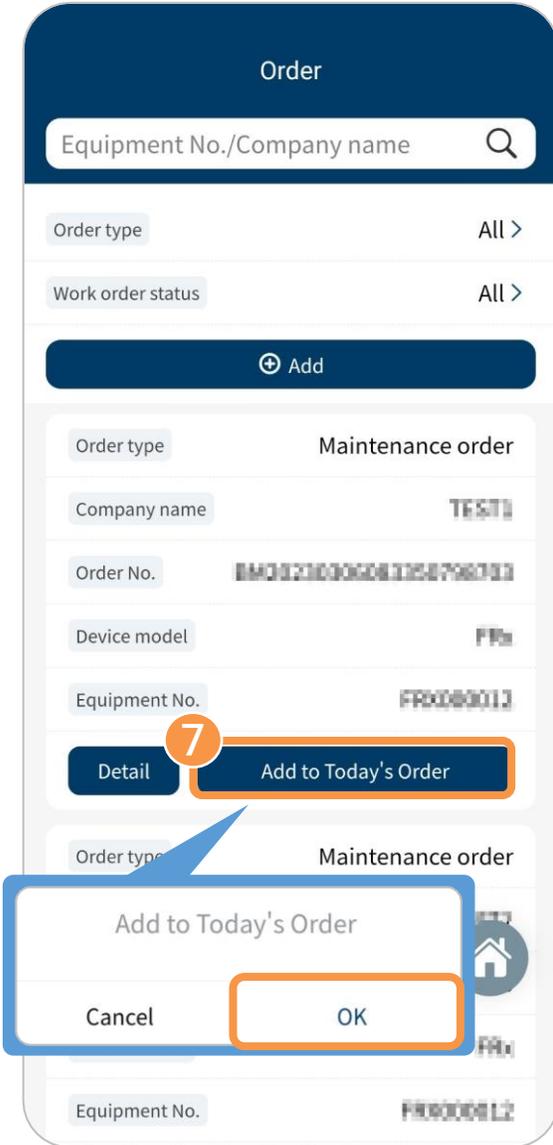
Location description

5 Processing item Equipment maintenance and replacement of consumables

6 Confirm

- 4 Select a desired AED and click **Confirm** button to go to the New maintenance order page.
- 5 Click **Processing** item and make sure **Equipment maintenance and replacement of consumables** is checked.
- 6 Click **Confirm** button to complete the procedure, and it will automatically return to the Order page.

Create a Maintenance Order



⑦ Click **Add to Today's Order** button and **OK** to confirm.

⑧ Back to the Home page and click **Today Order**.

⑨ Click **Processing** button of the new maintenance order to start the test (see next page).

Process a Maintenance Order



Processing maintenance order

Processor Paul

1 Process result Not processed >

Maintenance time 2023-03-07

Not processed
 Processed

Manual Test Manual Test

Outer Case

AED Storage Cabinet/ Bracket
 Normal Abnormal N/A

Cabinet alarm/ alert
 Normal Abnormal N/A

Wall Sign
 Normal Abnormal N/A

Confirm

Processing maintenance order

Processor Paul

Process result Processed >

Maintenance time 2023-03-07

2 Next maintenance time Please choose the next

Remark Please enter a note desc

Cancel	OK	
2021	01	05
2022	02	06
2023	03	07
2024	04	08
2025	05	09

Manual Test Manual Test

Outer Case

AED Storage Cabinet/ Bracket
 Normal Abnormal N/A

Cabinet alarm/ alert
 Normal Abnormal N/A

Wall Sign
 Normal Abnormal N/A

Confirm

Processing maintenance order

Processor Paul

Process result Processed >

Maintenance time 2023-03-07

Next maintenance time 2024-03-07

Remark Please enter a note desc

3 AED Battery AED Battery

Manual Test Manual Test

Outer Case

AED Storage Cabinet/ Bracket
 Normal Abnormal N/A

Cabinet alarm/ alert
 Normal Abnormal N/A

Wall Sign
 Normal Abnormal N/A

Confirm

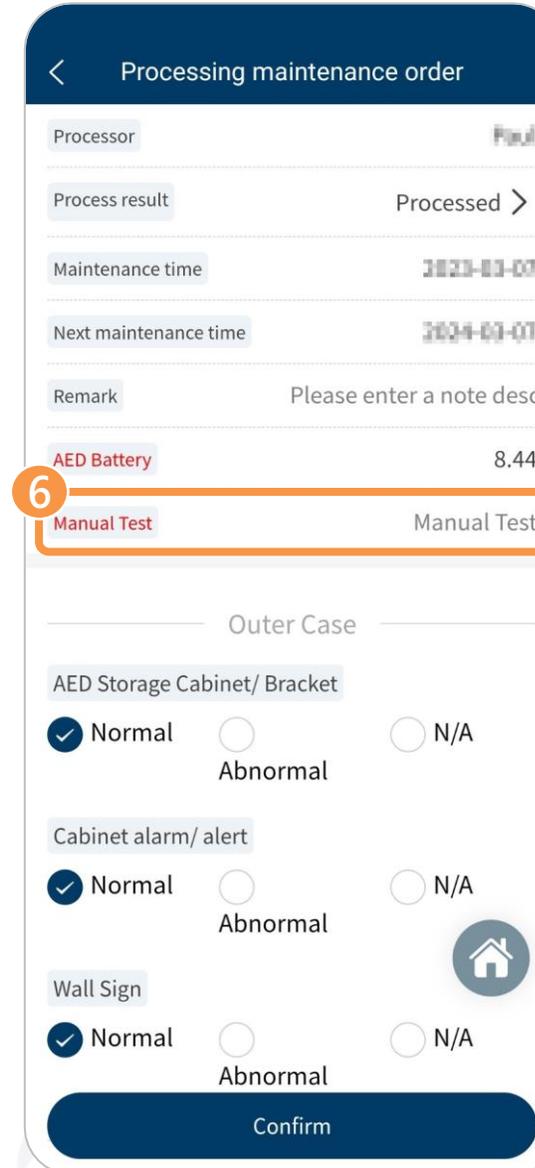
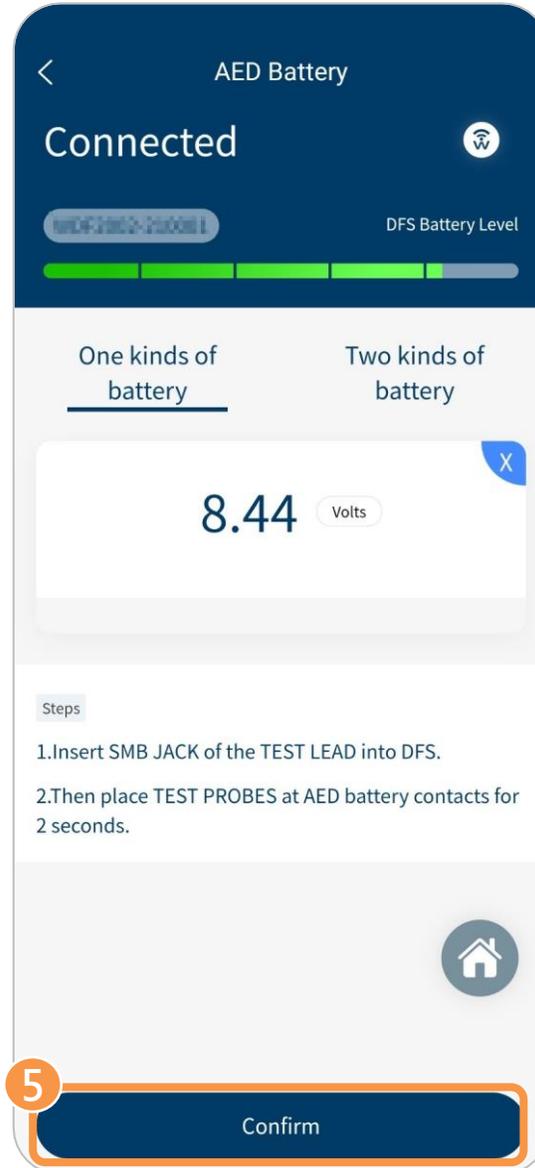
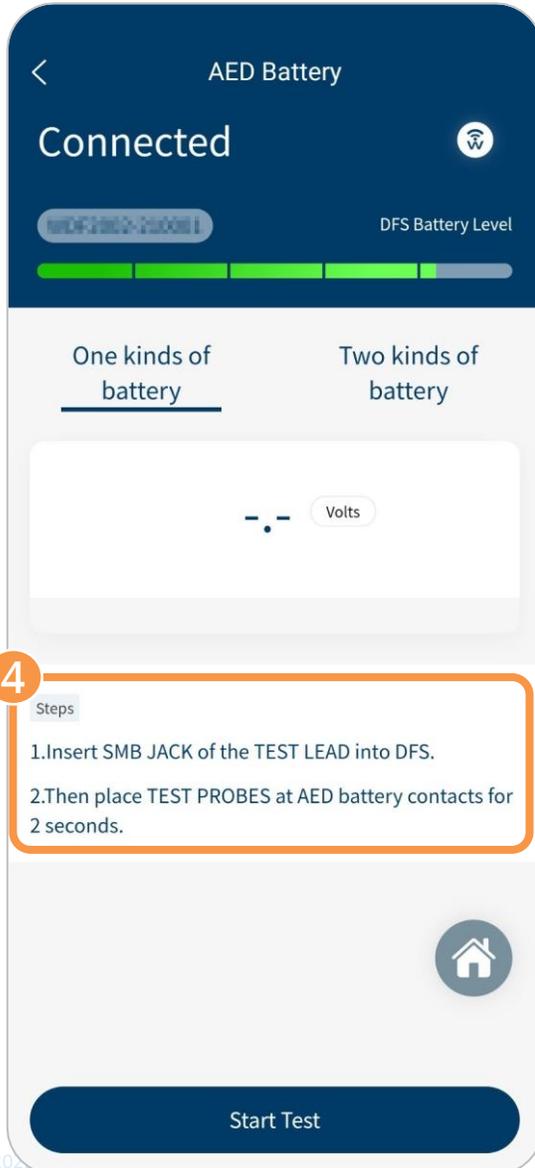
Click **Today Order** on the Home page and **Processing** button of the desired maintenance order to start the test.

① Click **Process result** on the Processing maintenance order page to select **Processed**.

② Click **Next maintenance time** and scroll to select the correct date, then click **OK**.

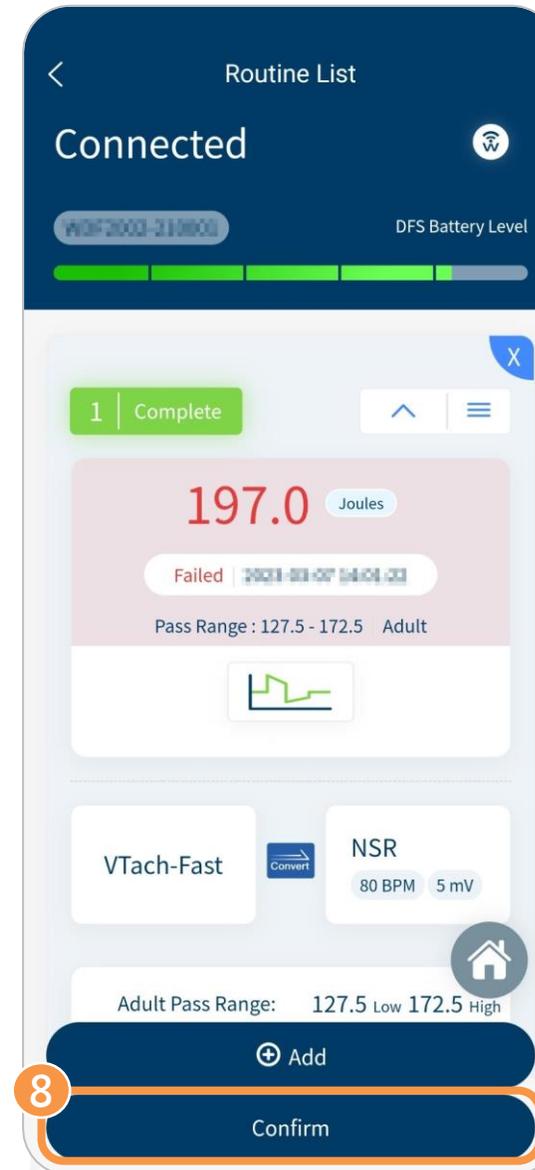
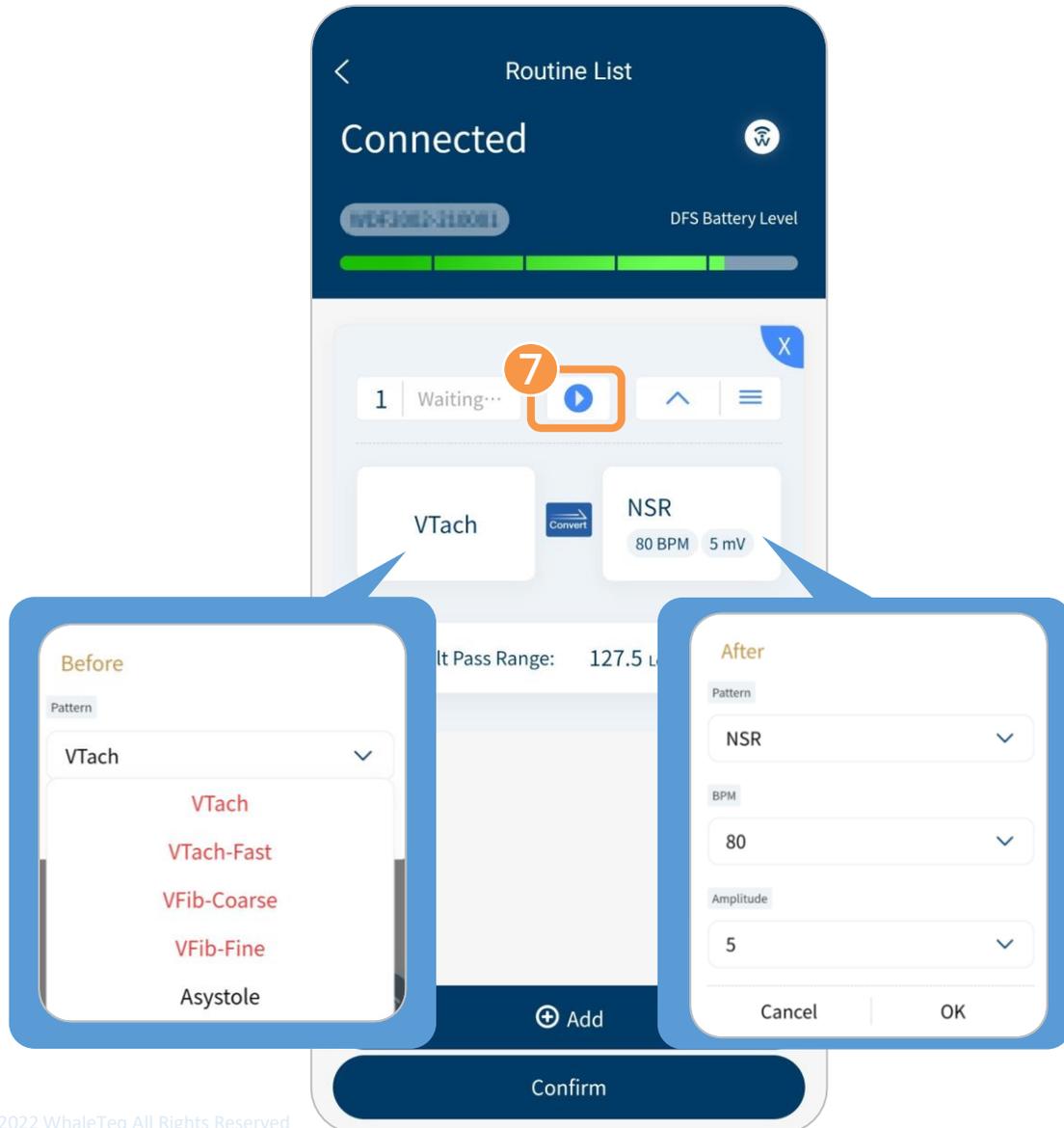
③ Click **AED Battery** to start the battery test.

Process a Maintenance Order



- 4 Follow the steps on the AED Battery page for testing, then click **Start Test** button.
- 5 The test result will show on the page. Click **Confirm** button to return to the Processing maintenance order page.
- 6 Click **Manual Test** to start the discharge test.

Process a Maintenance Order



⑦ On the Routine List page, users can select desired ECG signals before and after a shock, and click **Add** button to add up to 6 sets of different test settings.

After setting desired ECG signals and testing sets, check the connection between the DFS200 and AED is secure, then click the play icon () to start the test.

⑧ After the AED gives a shock to the DFS200, the test result will show on the page. Click **Confirm** button to return to the Processing maintenance order page.

Note: Users can set a quick test in advance and use it to conduct the discharge test. Please refer to [Use a Quick Test for the Discharge Test](#).

Process a Maintenance Order



Processing maintenance order

Manual Test 197.0

9

Outer Case

AED Storage Cabinet/ Bracket

Normal Abnormal N/A

Cabinet alarm/ alert

Normal Abnormal N/A

Wall Sign

Normal Abnormal N/A

AED Main Unit

Confirm

Processing maintenance order

10

AED Main Unit

AED Unit Clean/ undamaged/ free of excessive wear (outer appearance)

Normal Abnormal N/A

Status indicator

Normal Abnormal N/A

Voice prompt

Normal Abnormal N/A

Self-check

Normal Abnormal N/A

Shock indicator

Normal Abnormal N/A

AED LCD Screen

Normal Abnormal N/A

Confirm

Processing maintenance order

Battery

AED battery level

8.44

11

Accessories

Electrode Pads Sealed in Package

Sealed Torn N/A

(Certain model) Pediatric Pad or Key

Sealed Torn N/A

Kit (Scissors, Razor, Mask, Gloves, etc.)

Normal Abnormal N/A

Functionality

Defibrillation delivered?

Yes No

Defibrillation Energy Threshold

Adult Child

Adult joule number standard range

Confirm

- 9 Check the AED cabinet, cabinet alarm, and wall signboard, then select the correct status.
- 10 Check the AED's appearance, status indicator, voice prompt, etc., then select the correct status.
- 11 Check the AED electrode pads and accessories, then select the correct status.

Process a Maintenance Order



Processing maintenance order

Functionality

12 Defibrillation delivered?

Yes No

Defibrillation Energy Threshold

Adult Child

Adult joule number standard range

127.5 ~ 172.5

Actual shock joules

197.0

Factory battery voltage

30

Replace consumables

Standard-Pad - Standard-Pad - Standard - Maturity date

2026-03-06 08:00:00

Standard-Battery - Standard-Battery - Standard - Maturity date

2027-03-06 08:00:00

Confirm

Processing maintenance order

13 Replace consumables

Standard-Pad - Standard-Pad - Standard - Maturity date

2026-03-06 08:00:00

Standard-Battery - Standard-Battery - Standard - Maturity date

2027-03-06 08:00:00

Cancel		OK
2021	01	05
2022	02	06
2023	03	07
2024	04	08
2025	05	09

Customer Sign

Confirm

Processing maintenance order

14 Live photos



Customer Sign



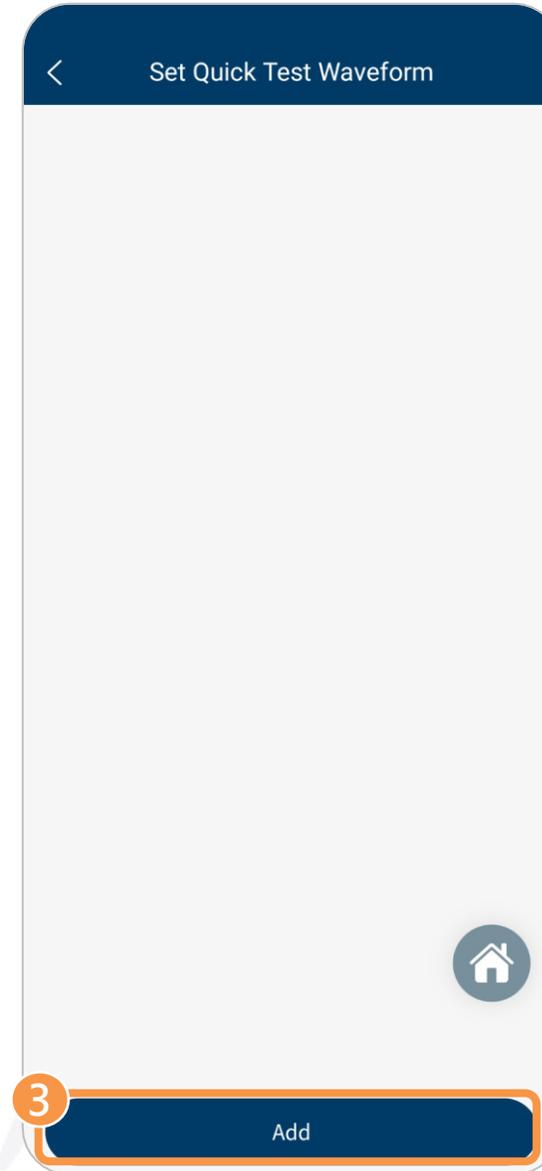
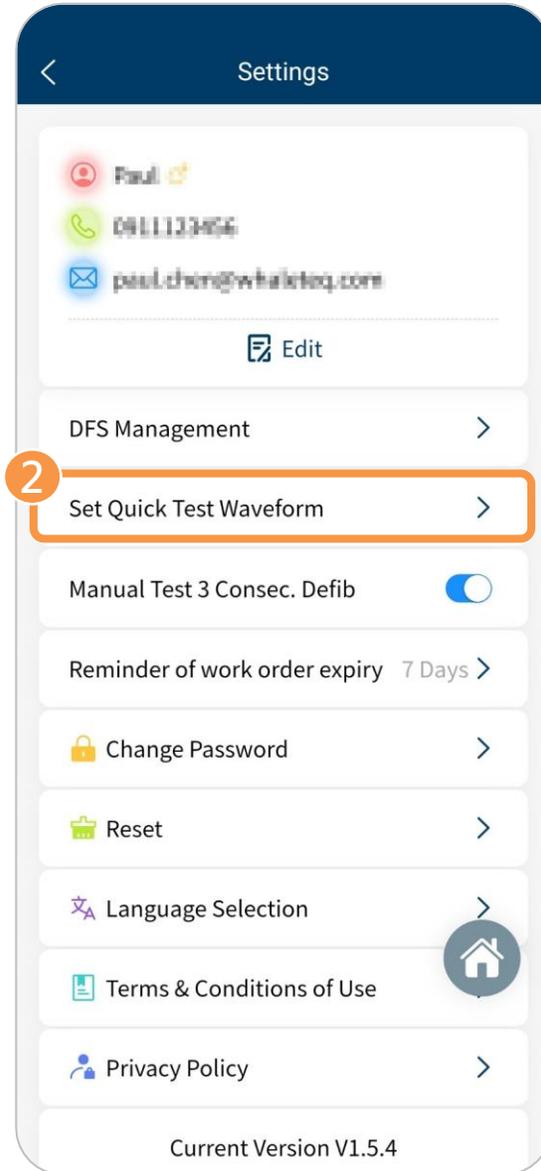
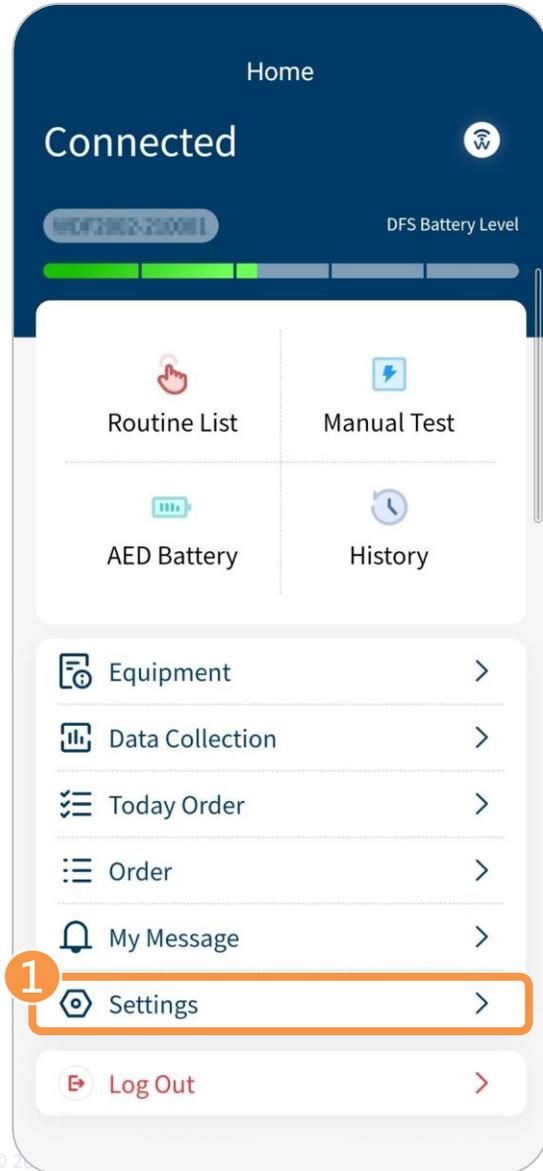
Engineer Sign



Confirm

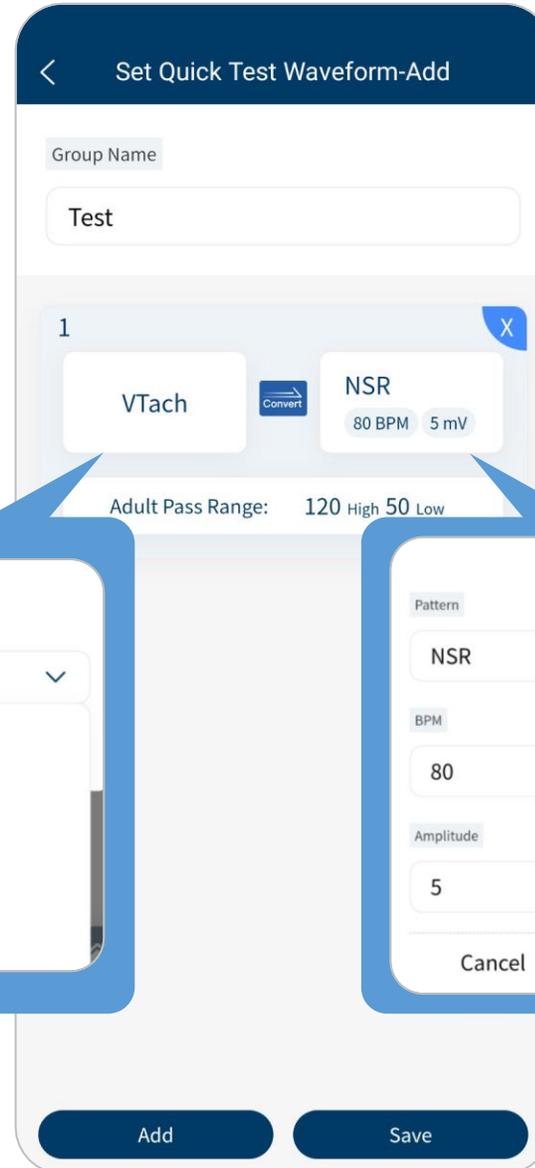
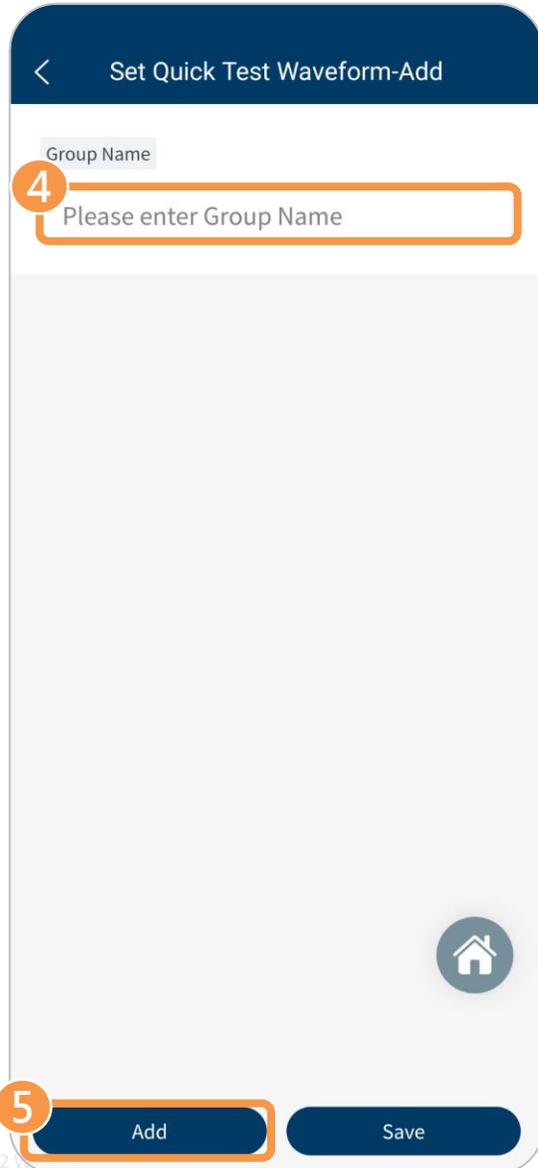
- 12 Select the correct AED defibrillation performance.
- 13 (Optional) If consumables are replaced, scroll to select the correct expiration date, then click **OK**.
- 14 Take 6 photos at most on-site and upload them, then the AED owner and field technician should sign on the page. Finally, click **Confirm** button to complete this maintenance order.

Set a Quick Test



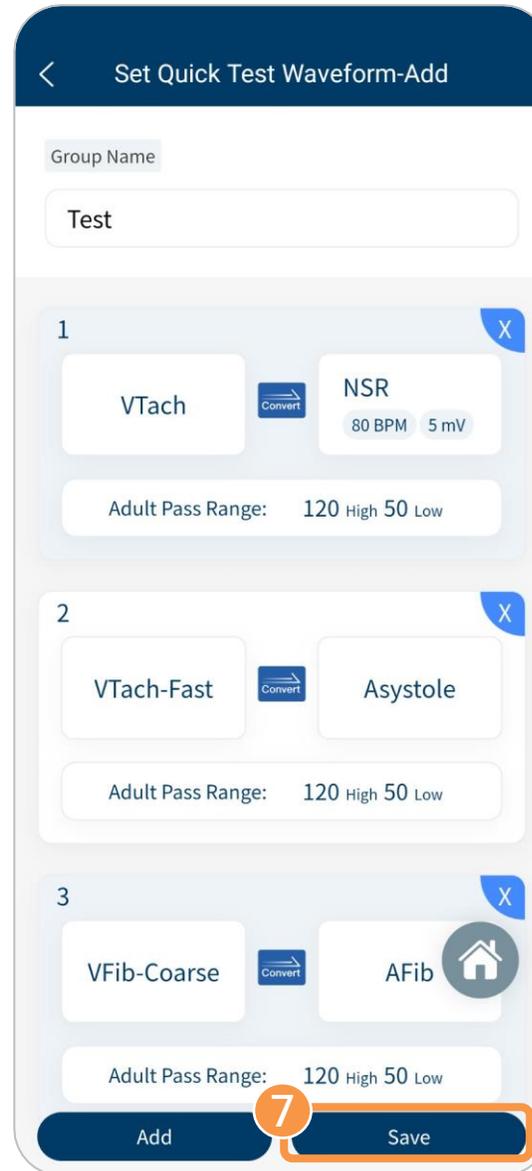
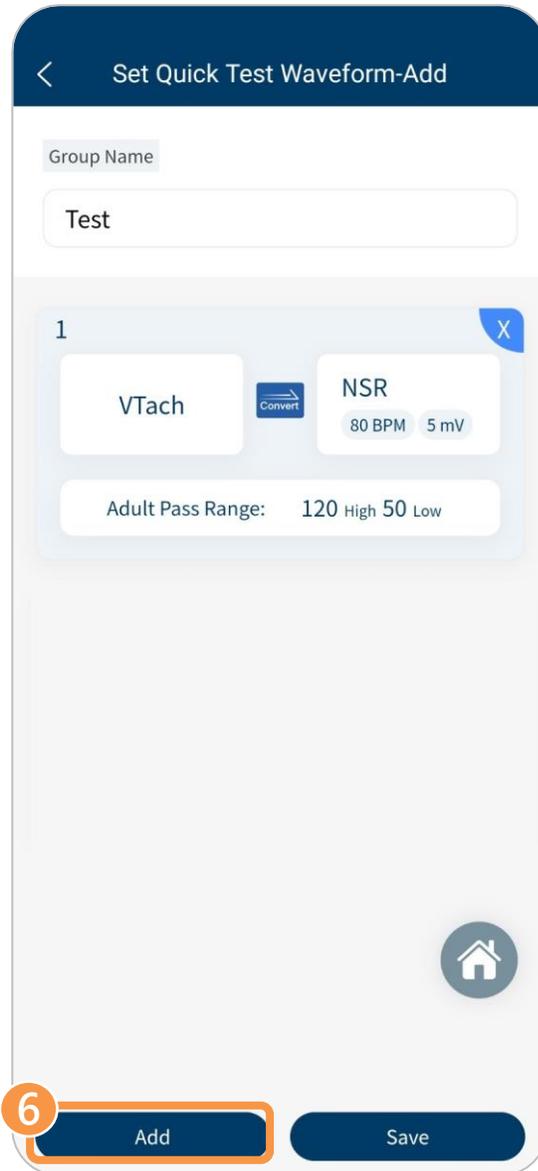
- ① Select **Settings** on the Home page.
- ② Select **Set Quick Test Waveform** on the Settings page.
- ③ Click **Add** button on the Set Quick Test Waveform page.

Set a Quick Test



- ④ Name the new quick test.
- ⑤ Click **Add** button to add a set of ECG signals to the new quick test. Users can select desired ECG signals before and after a shock.

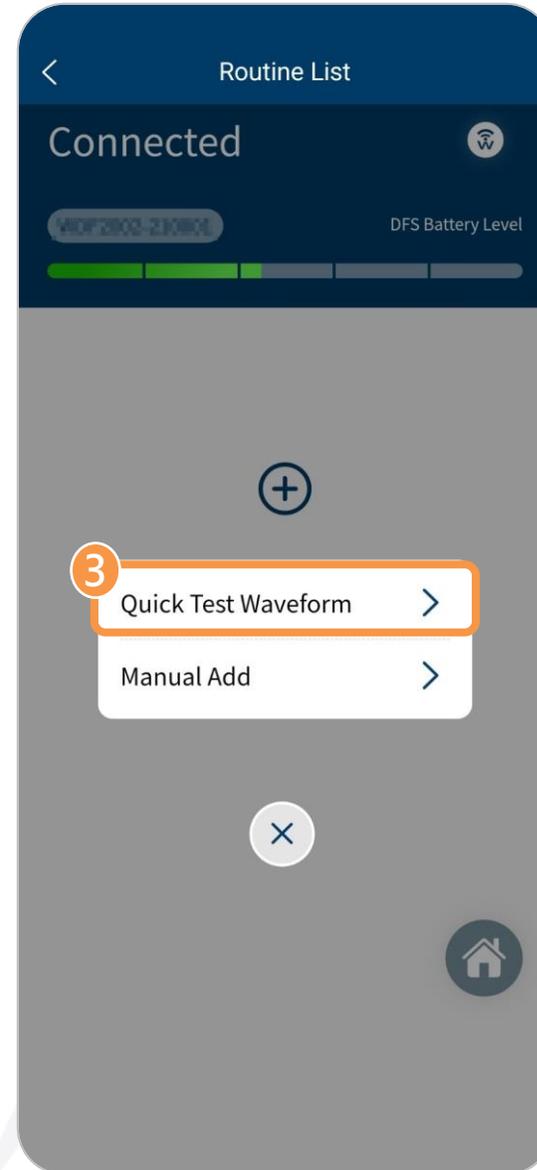
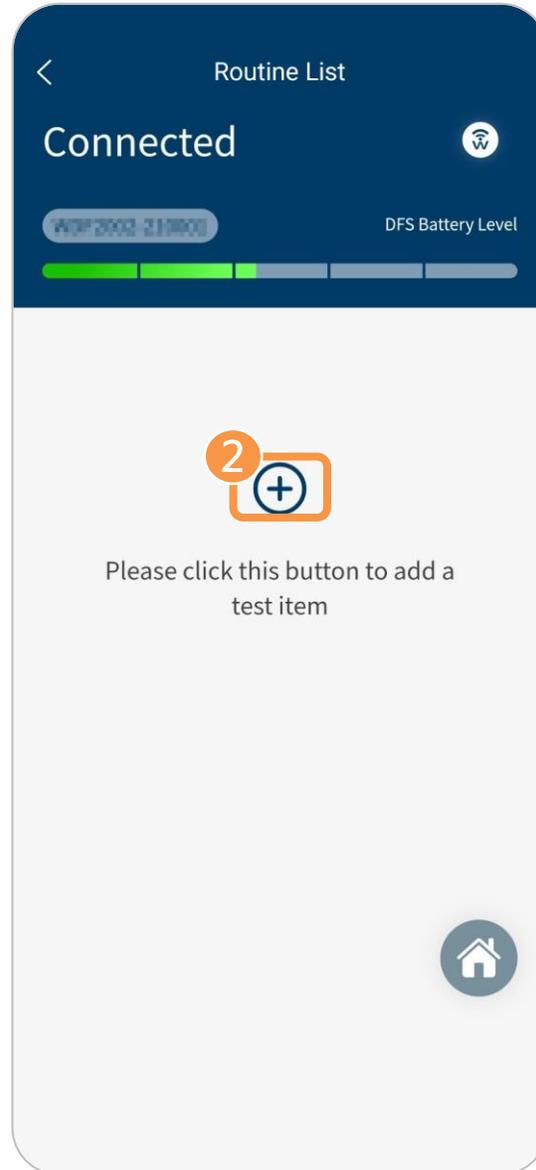
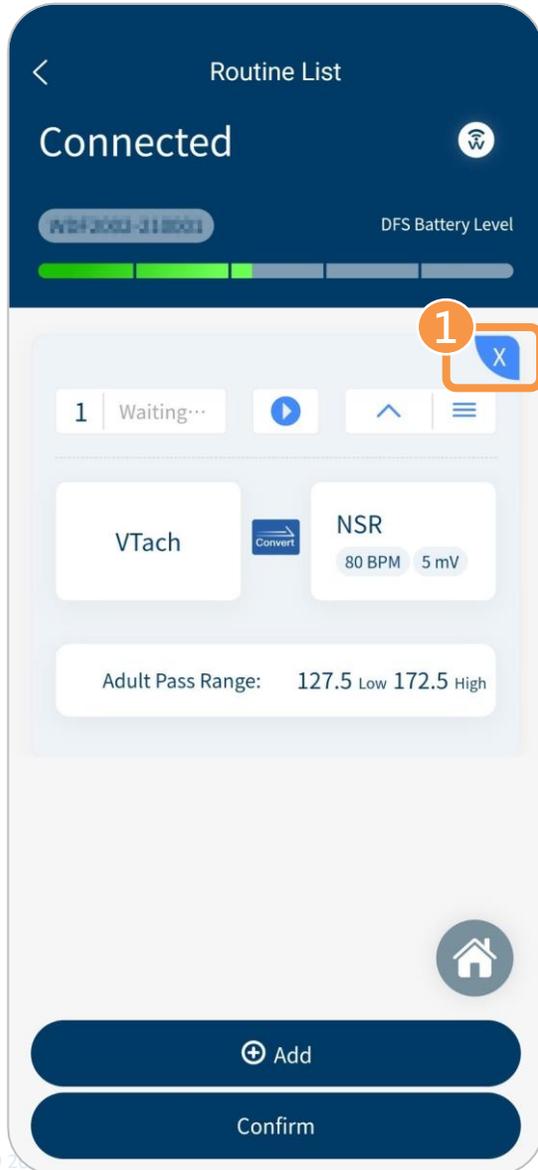
Set a Quick Test



⑥ (Optional) After completing the first set's settings, click **Add** button to add more sets of different test settings (up to 6 sets in total).

⑦ Click **Save** button to save the new quick test's settings.

Use a Quick Test for the Discharge Test

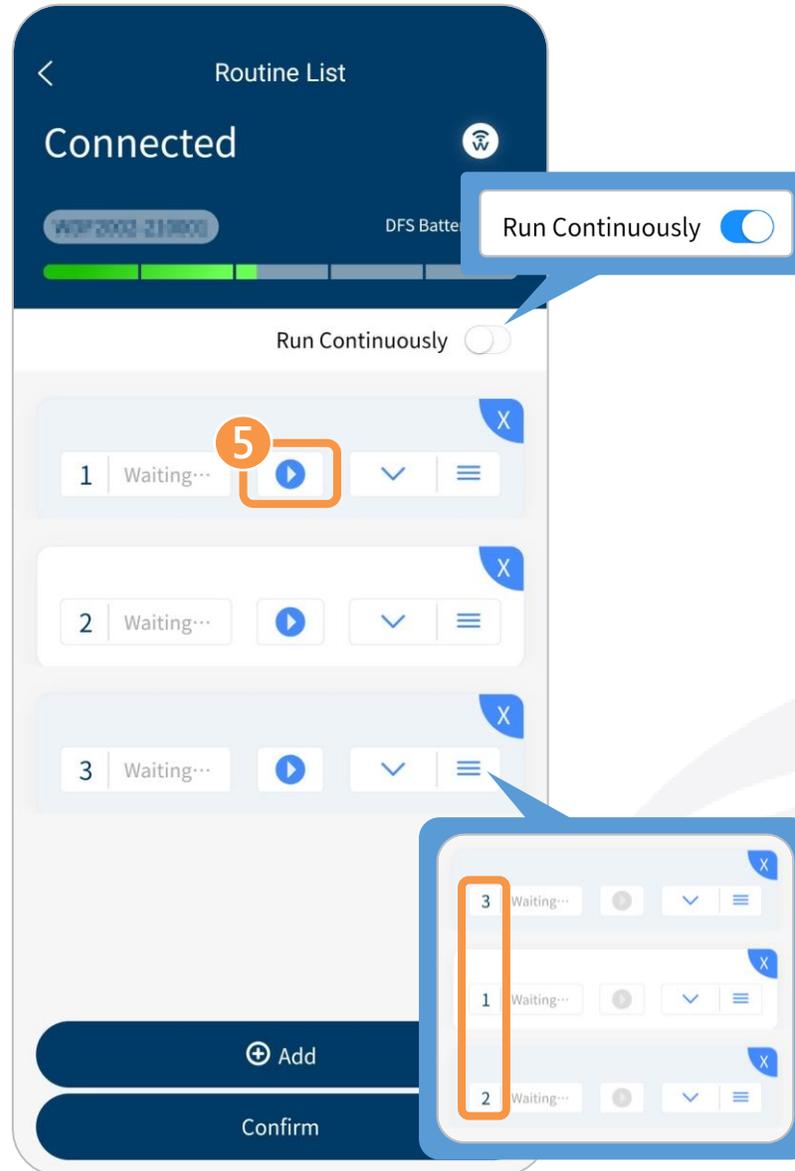
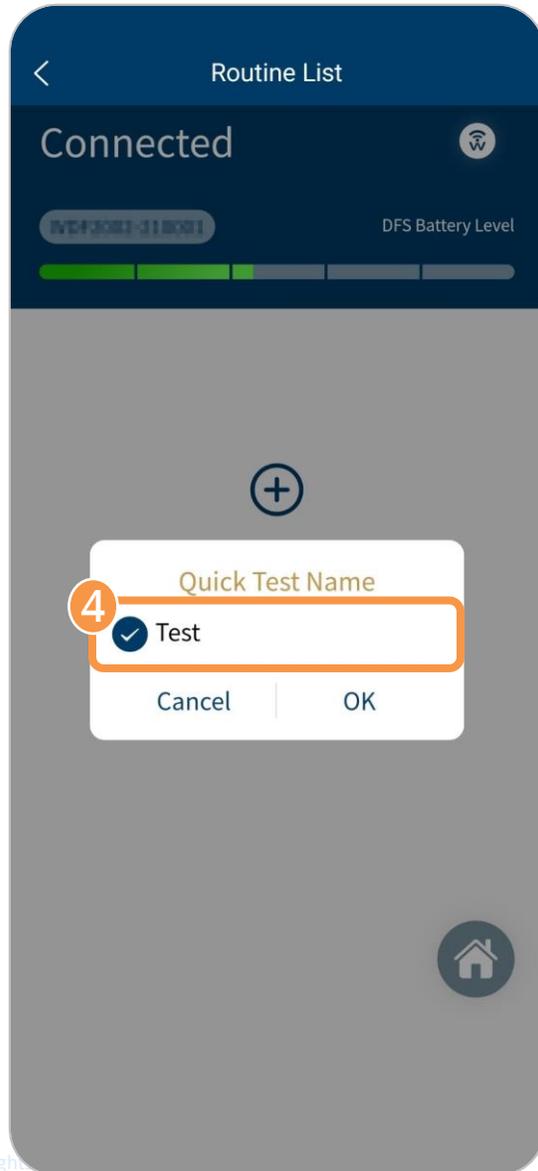


① Click the delete icon () of the default testing set on the Routine List page.

② Click the add icon ().

③ Select **Quick Test Waveform**.

Use a Quick Test for the Discharge Test



④ Select a desired quick test and click **OK**.

⑤ Click the play icon () to start the test.

If users turn on **Run Continuously** switch, all testing sets will be automatically played according to the user-defined order.

If users need to change the order, press and hold the move icon () of the desired testing set, then move it up or down. This change won't be saved to the original settings.



Test Solutions **for**

Medical Device Manufacturers



www.whaleteq.com
service@whaleteq.com

 8F., No. 125 Songjiang Rd., Zhongshan Dist., Taipei City 104474, Taiwan

 +886-2-2517-6255

 +886-2-2596-0702

Copyright © 2013-2023, All Rights Reserved.
WhaleTeq Co. LTD



is a registered trademark of WhaleTeq Co. LTD.

All other trademarks or trade names are the property of their respective holders.

All information, documentation, firmware, software utilities, and specifications are subject to change without prior notification by the manufacturer.