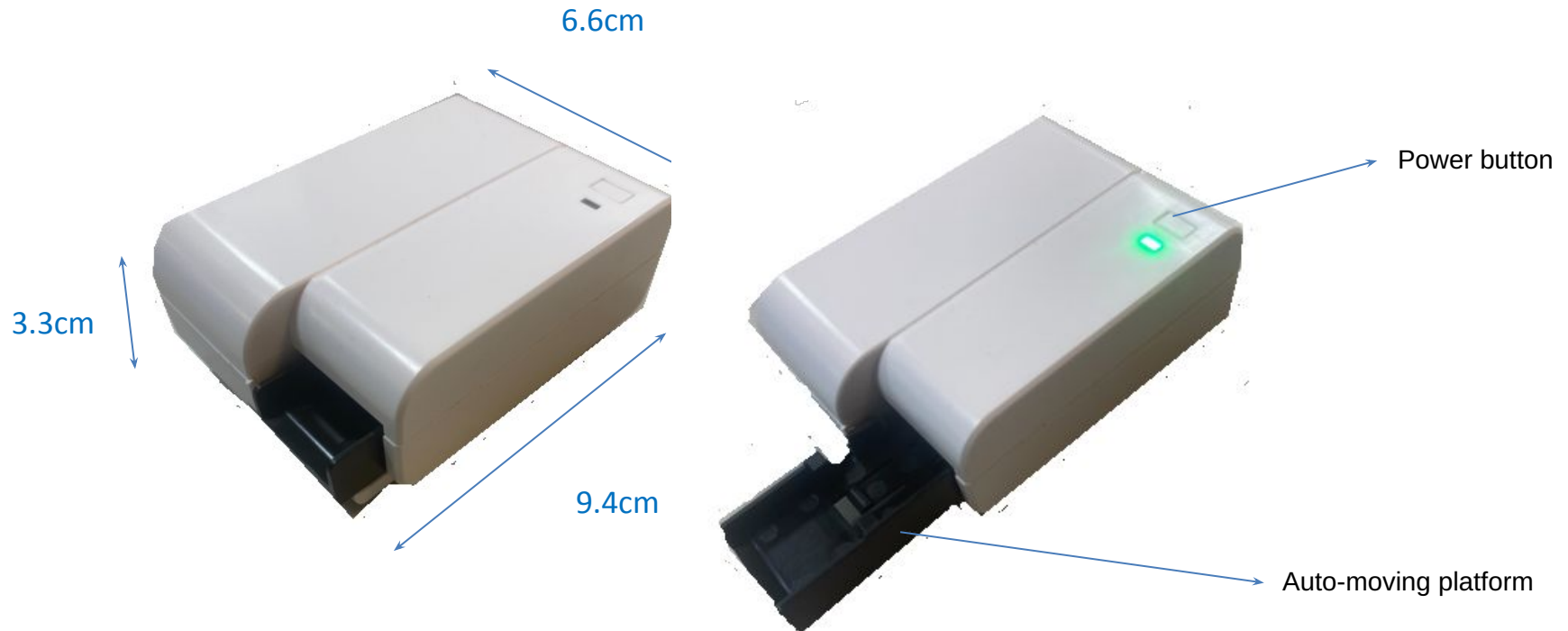


# RapidScan PH/PH Plus User Manual

# Catalogue

- RapidScan PH/PH + Outlook/Key Definition
- Stand alone mode RapidScan PH Plus only
- Standalone Mode (PH+ Only)
  - Manu Page
  - Button definition
  - Setting Screen/Next Item Key/Profile Setting/Sleep Time Setting  
/About/exit
    - Main Screen ☐ Analysis
    - Analysis Result
- APP Mode (PH+/PH)
  - Connection
  - Select Profile and Setting
  - Analysis
  - Database

# RapidScan PH Outlook/Key Definition



# RapidScan PH Outlook/Key Definition



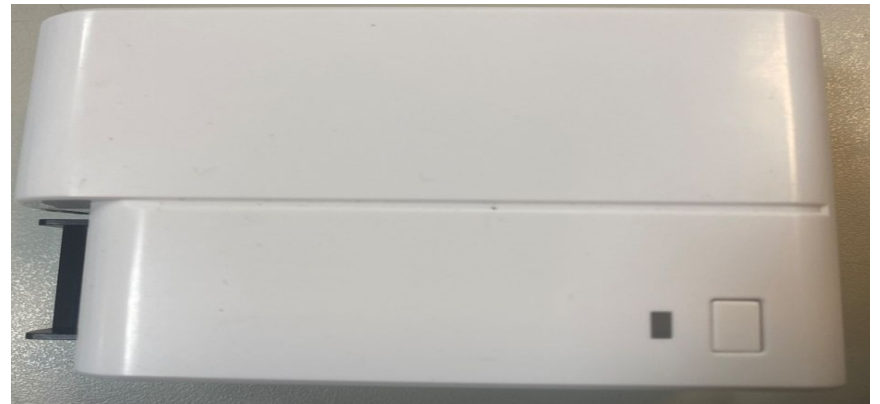
Power on LED is green  
Analysis process , LED is Blinking green



when connect to BT LED is blue

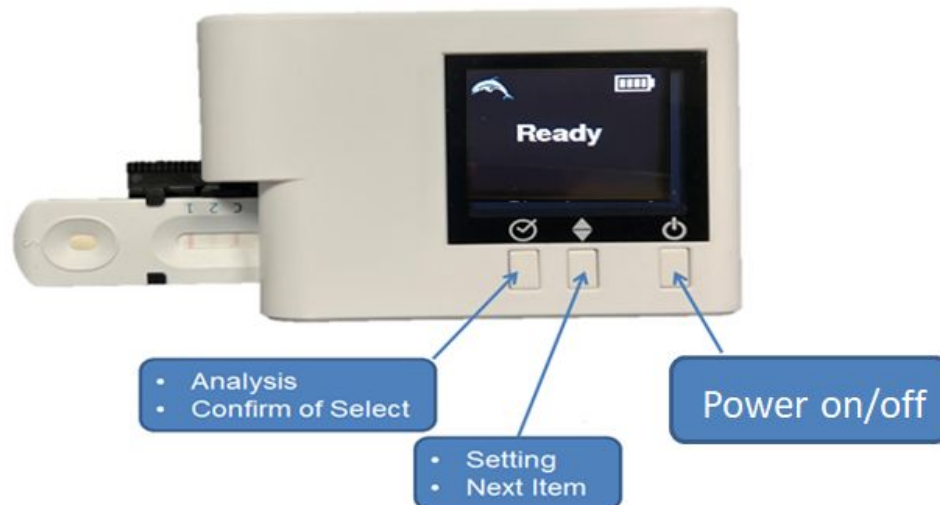


Power off and charging , LED is orange



Power off , LED is white

# Rapidscan PH + Outlook/Key Definition



# Power On ☐ Ready



Power on:  
1 sec short press  
when it is off



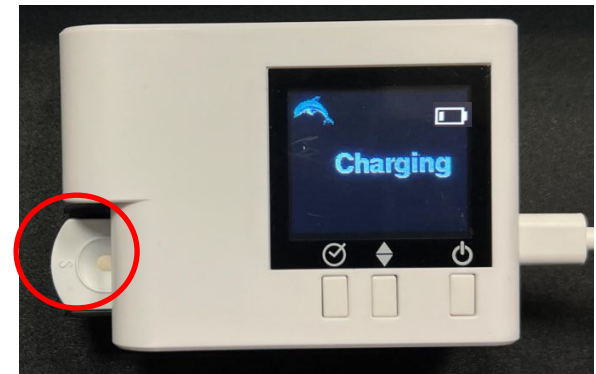
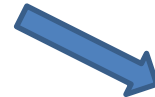
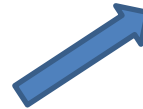
The cassette holder will move  
out when it is powered on

# Power Off & Charging



The cassette holder will move into the cabinet.

Power off:  
One long press  
when it is on



After the cassette holder is moved into box, it will show the different screens according to whether the USB power is on or off.

# Stand-Alone Mode

for RS PH+ only



# Button Definition



- 1. Select button
- 2. Analyze button

- 1. Menu button
- 2. Control button

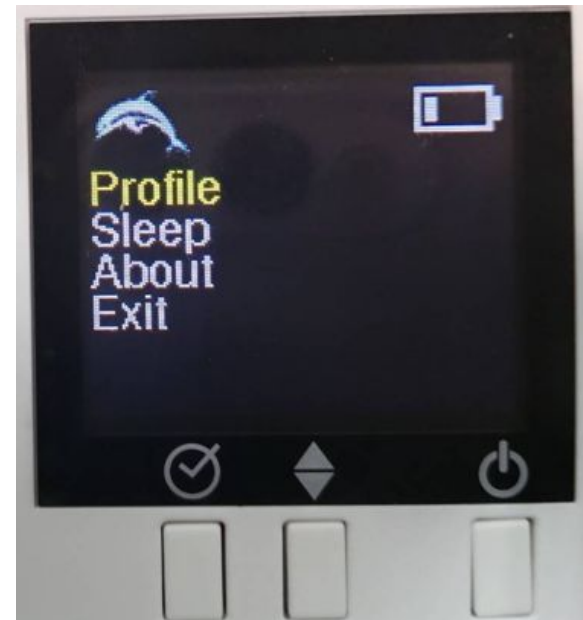
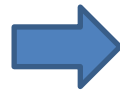
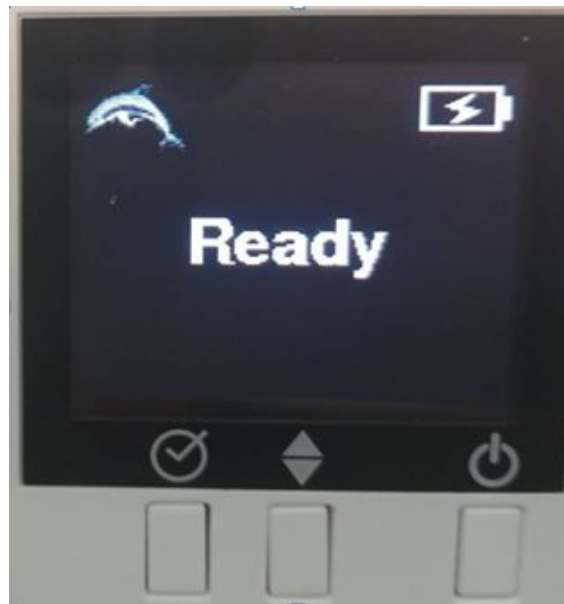
- 1. Power button

# Manu Page



1. Profile: Assay profiles are stored here. You must select a profile before performing the analysis.
2. Sleep: Users can put the device into sleep mode
3. About: View device information.
4. Exit: Exit to this page.

# Setting Screen

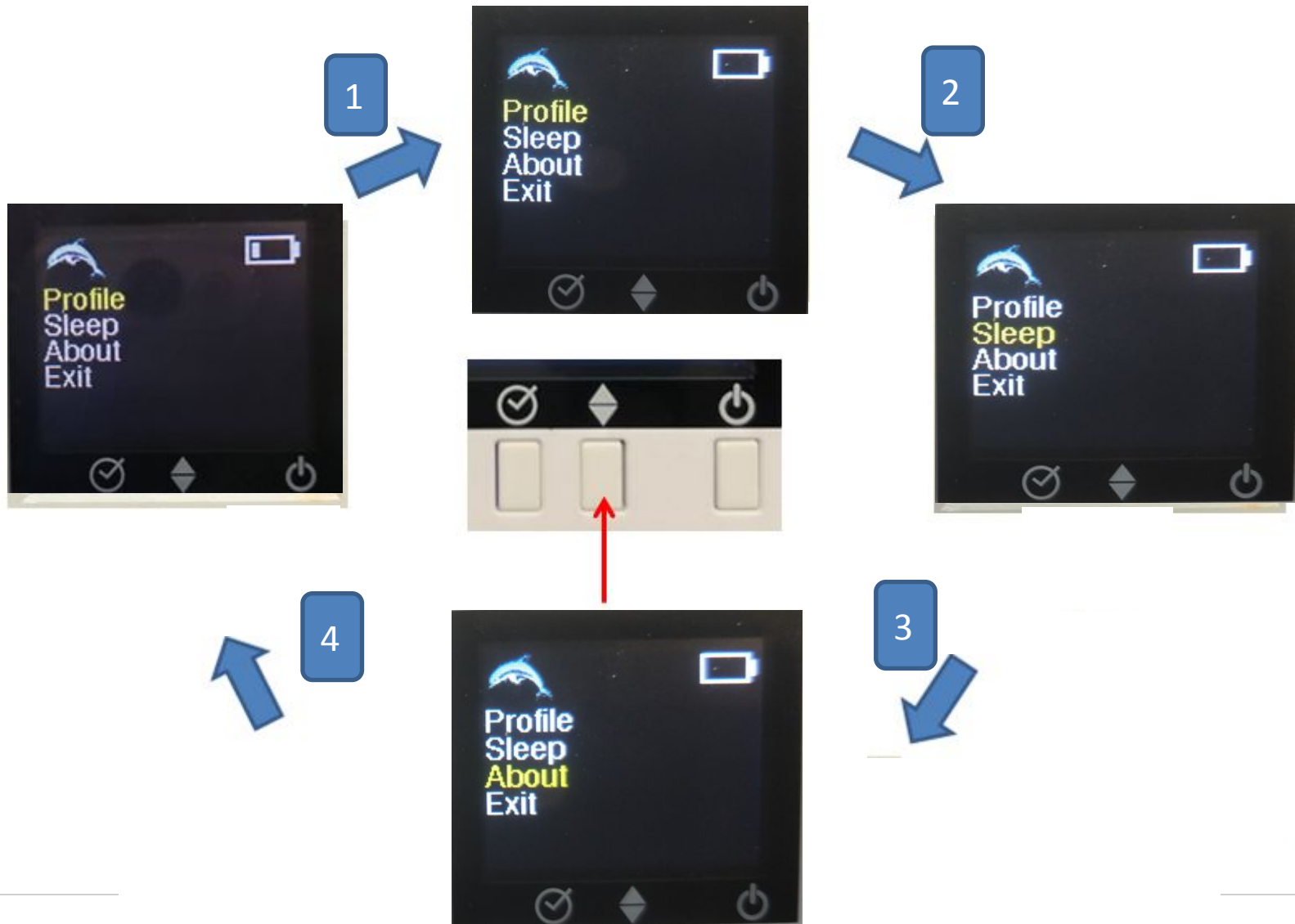


1. Press this key

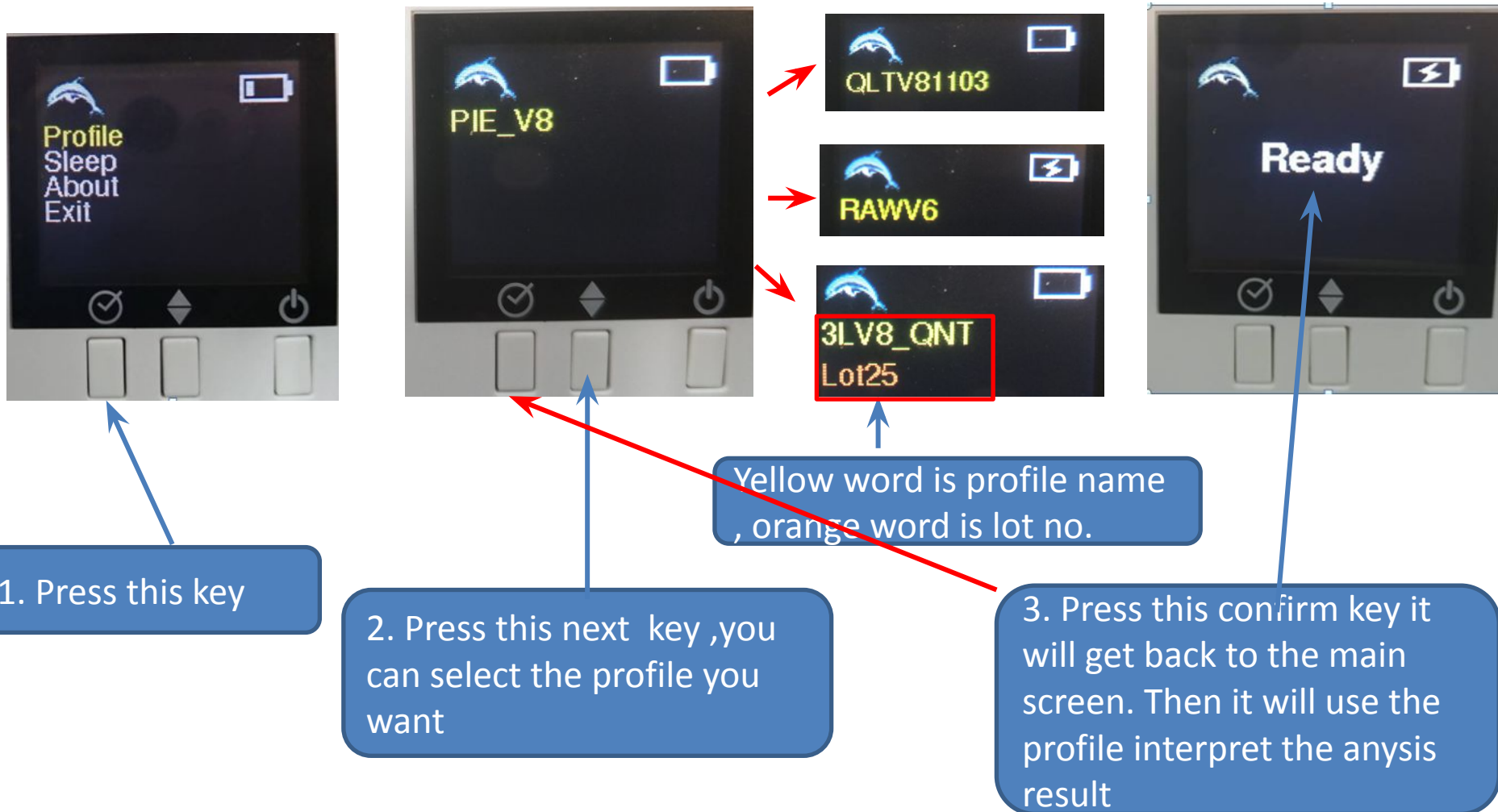
2. It will show this setting screen. The item in **yellow** color is the selected item

3. Press this key, it will move to the next item.

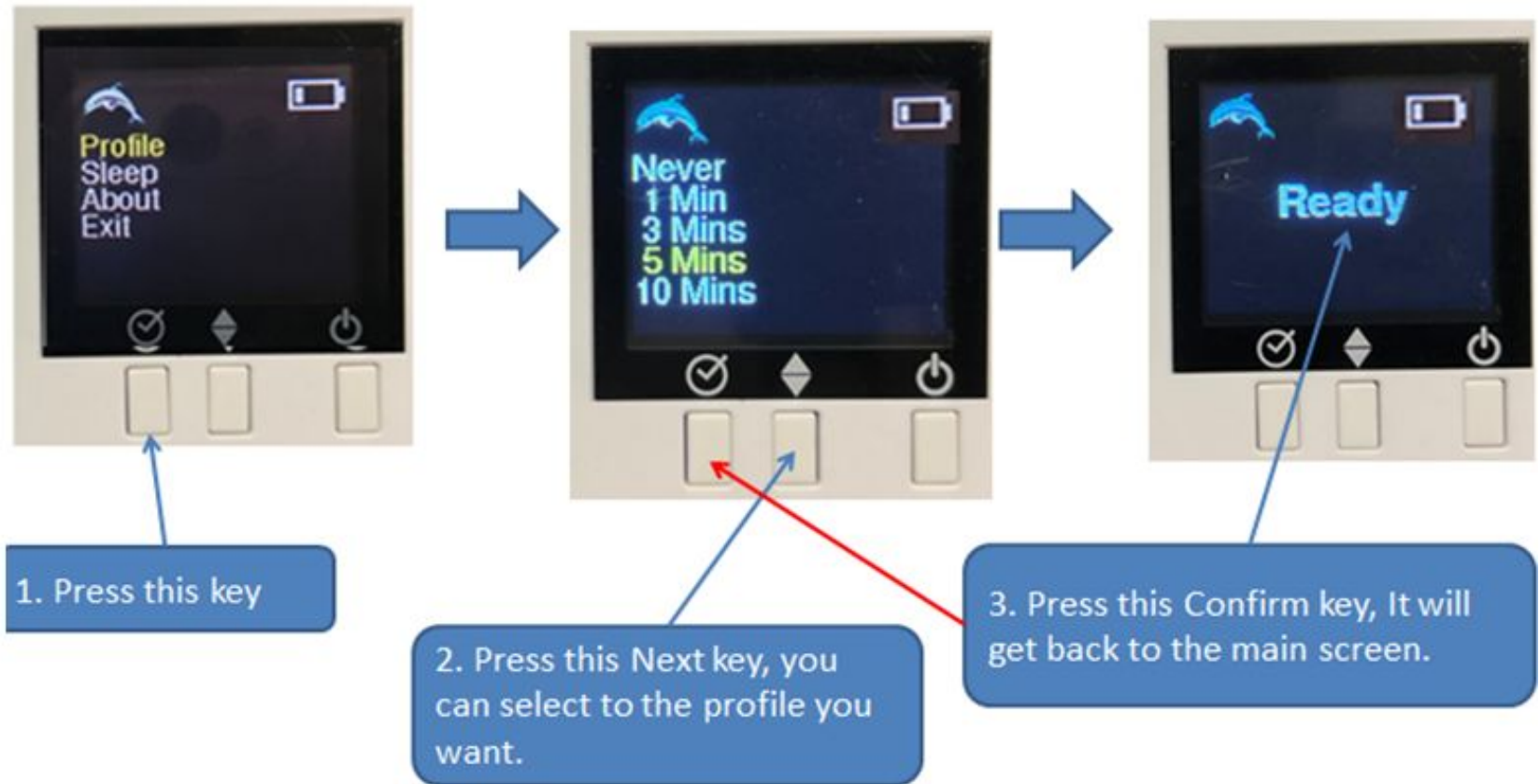
# Next Item Key @ Setting Screen



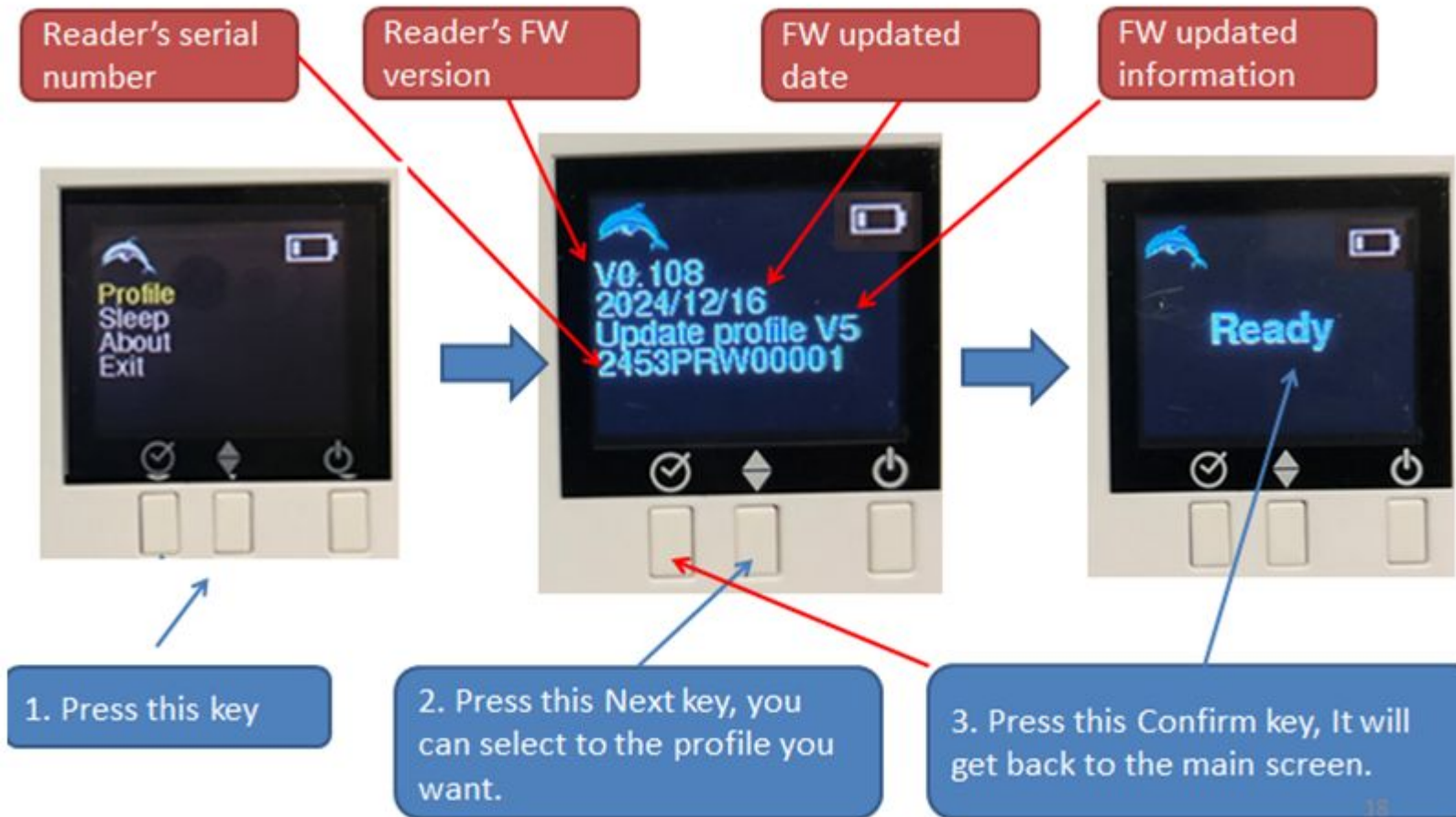
# Profile Screen



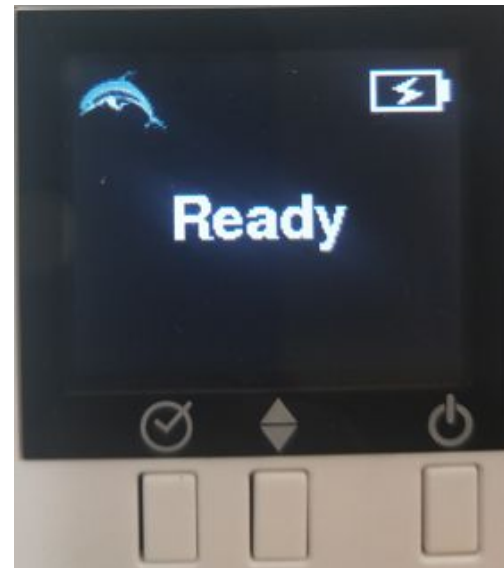
# Sleep Time Setting



# About



# Exit



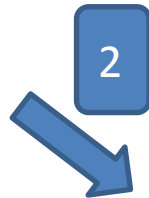
1. Press this key



# Main Screen □ Analysis



1. Press this key



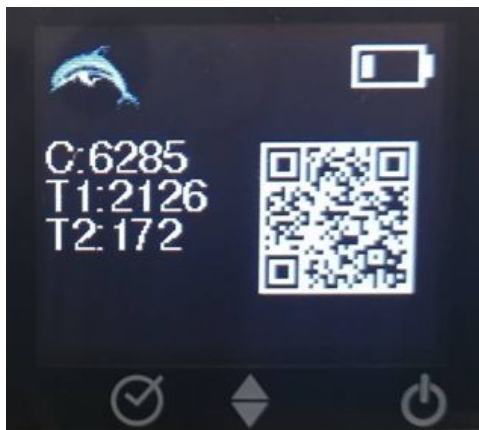
2



3



# Analysis Result



Raw Data



Qualitative Data



Quantitative Data

# APP Mode bHomeReader

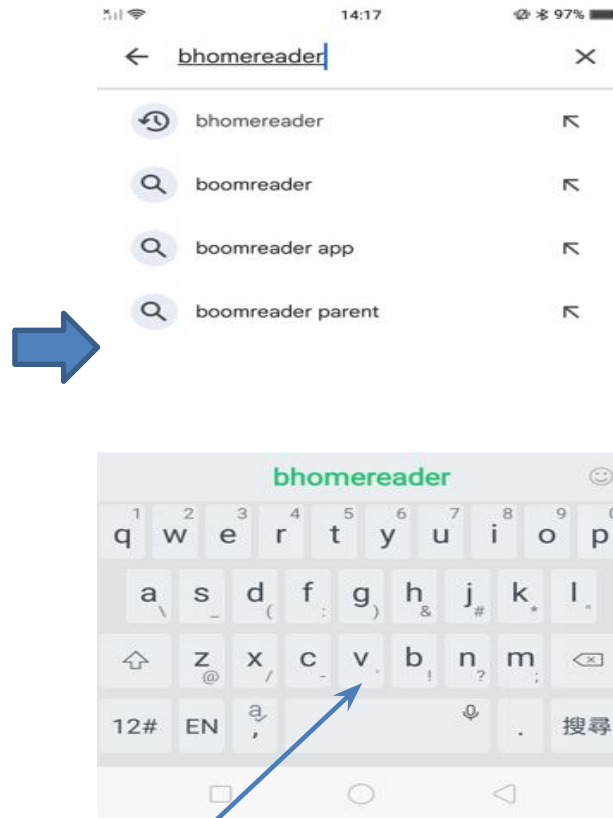
for RS PH+ & PH

# Install bHomeReader App

1) Install the App „bHomeReader“ from Android or Apple Store on mobile phone



1. Select APP store

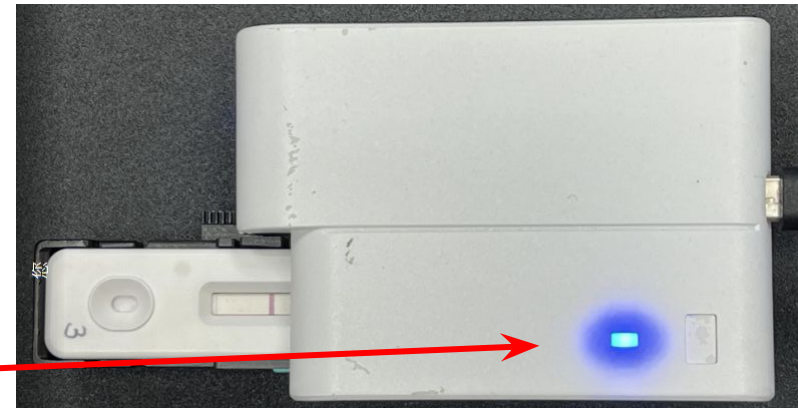


2. Type bHomeReader for search



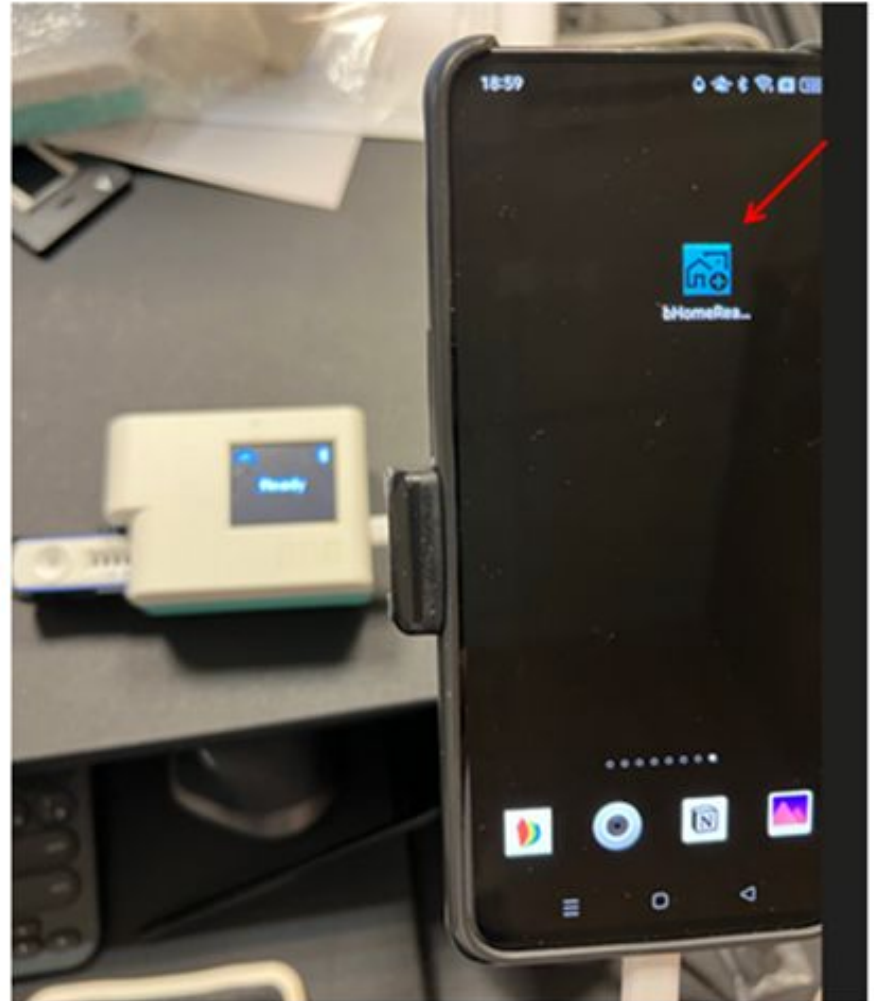
3. Select APP and install

# RS PH Connection

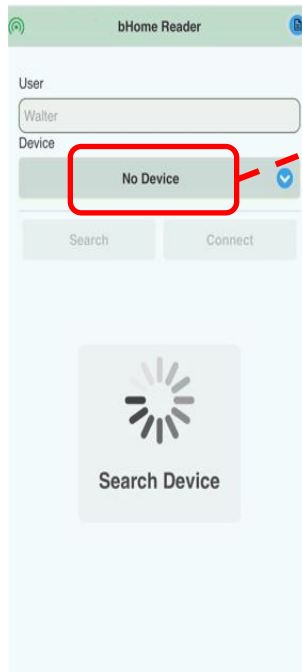


After running the APP and it will connect to the reader automatically and indicator LED will change the light to blue

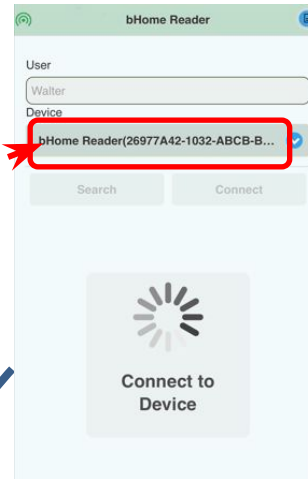
# RS PH+ Connection



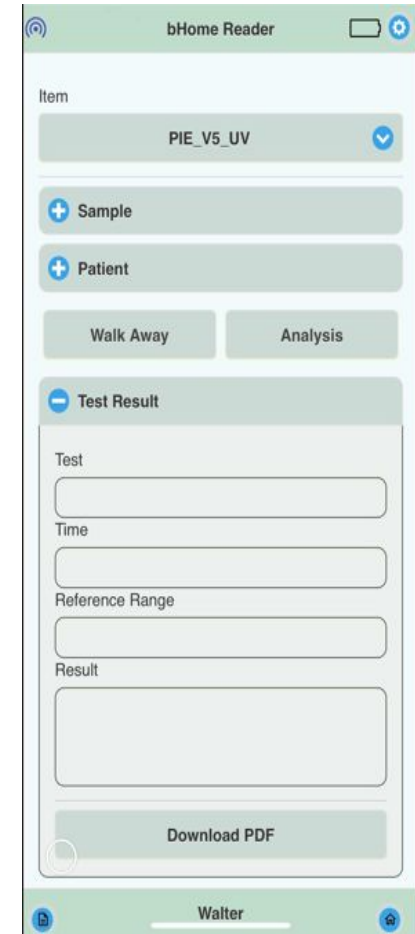
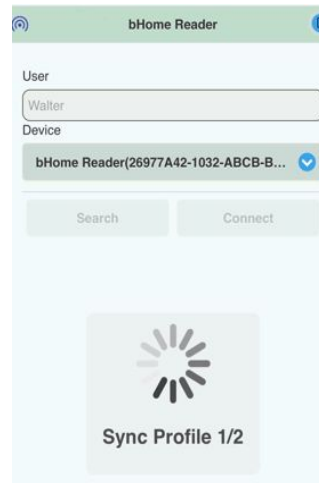
# APP Initial



Search reader

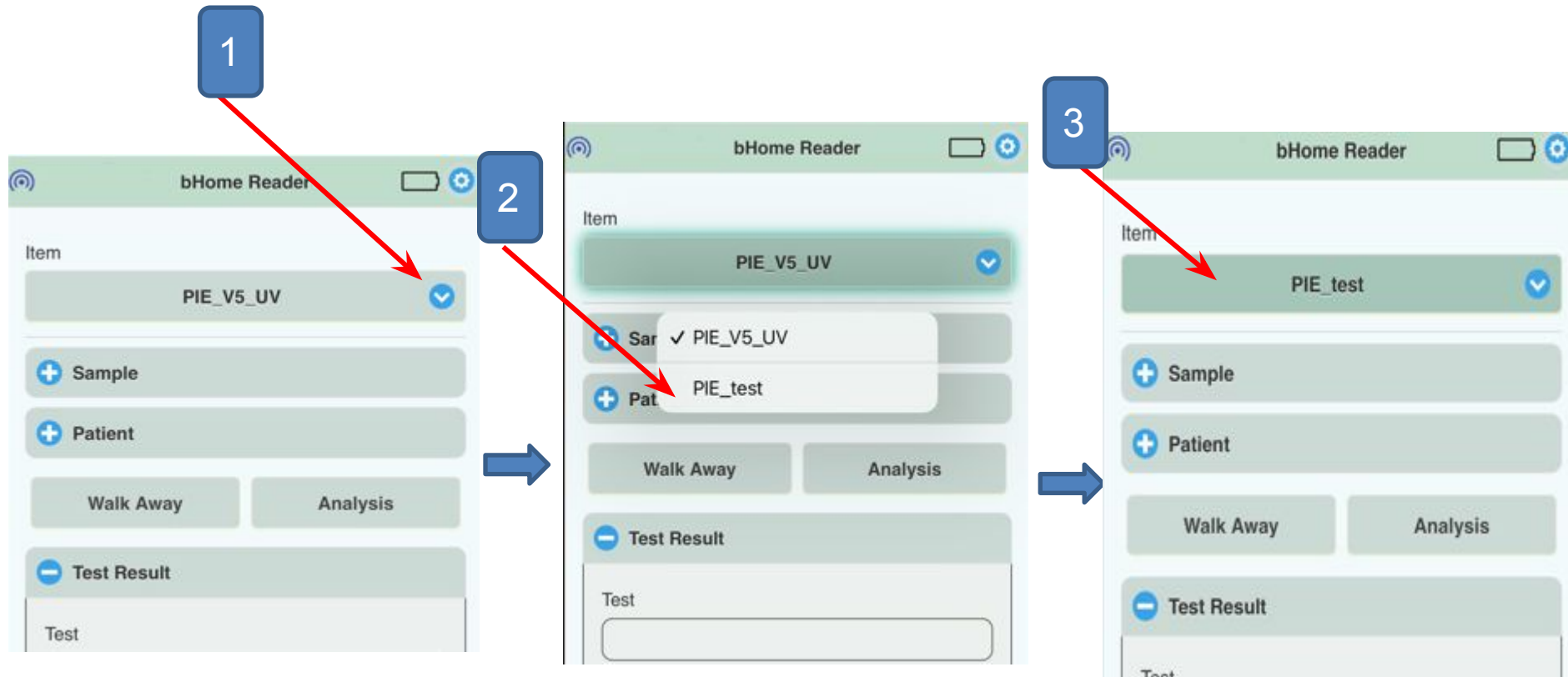


Copy profiles from Reader



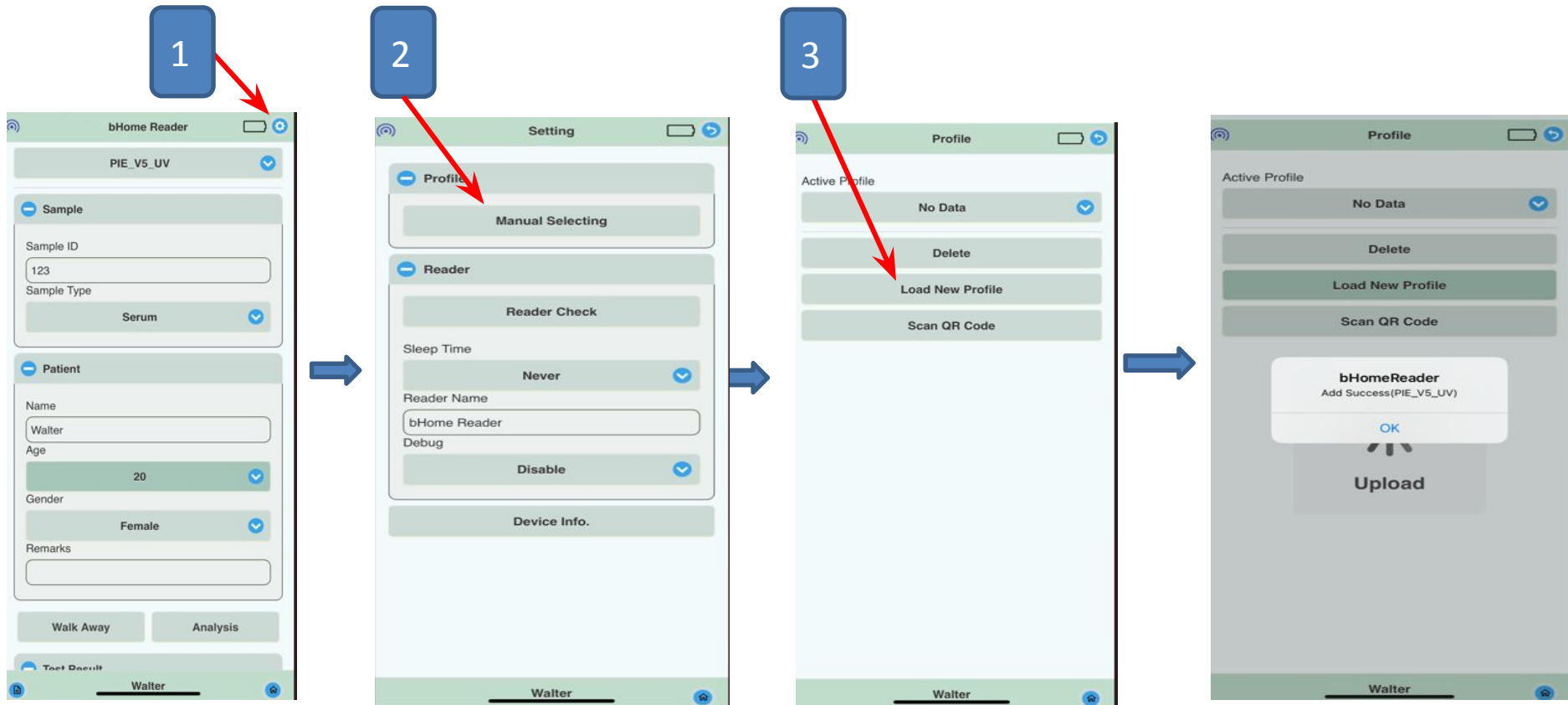
Main screen

# Profile Select

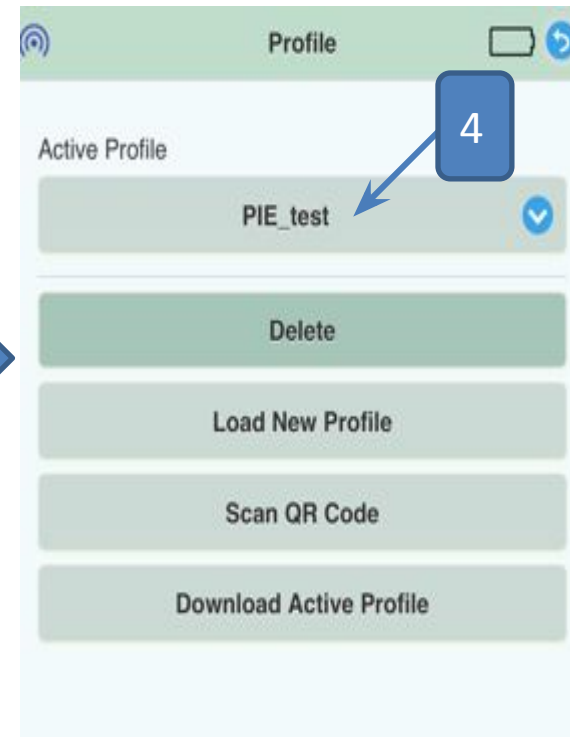
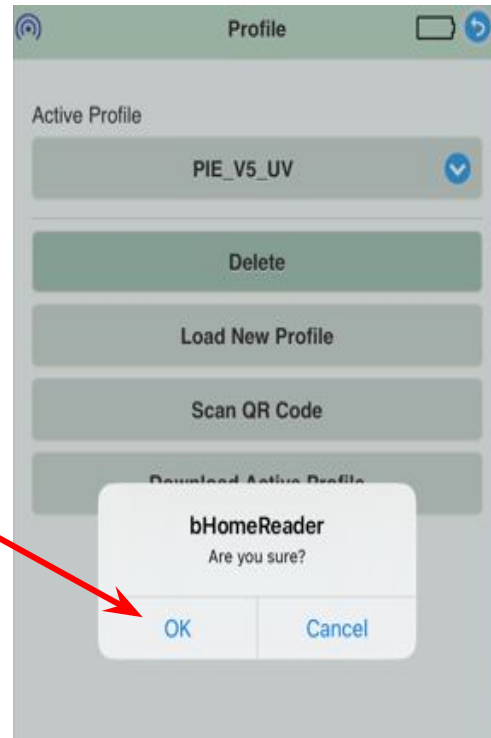




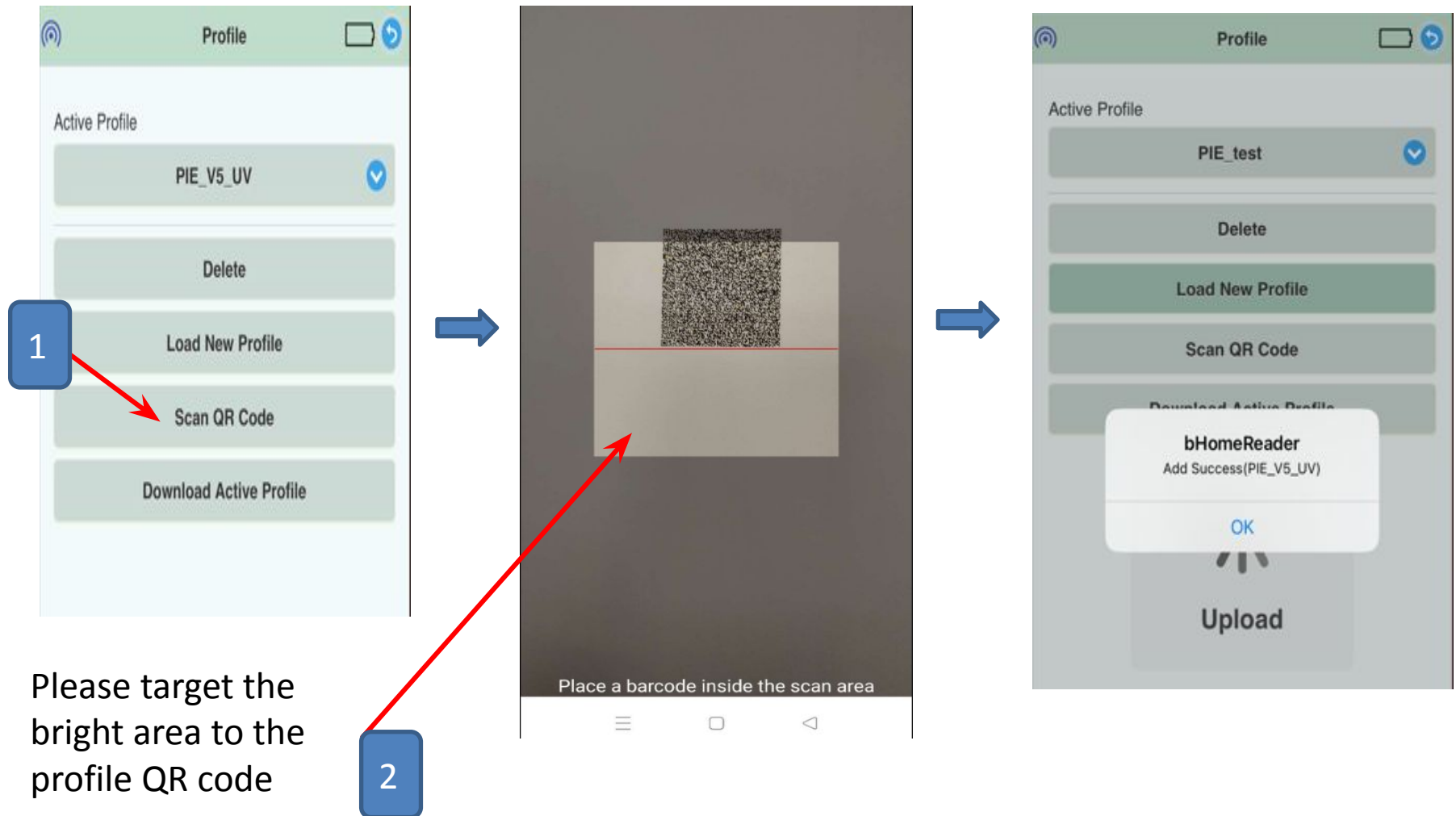
# Setting Profile: Load New Profile



# Setting Profile : Delete

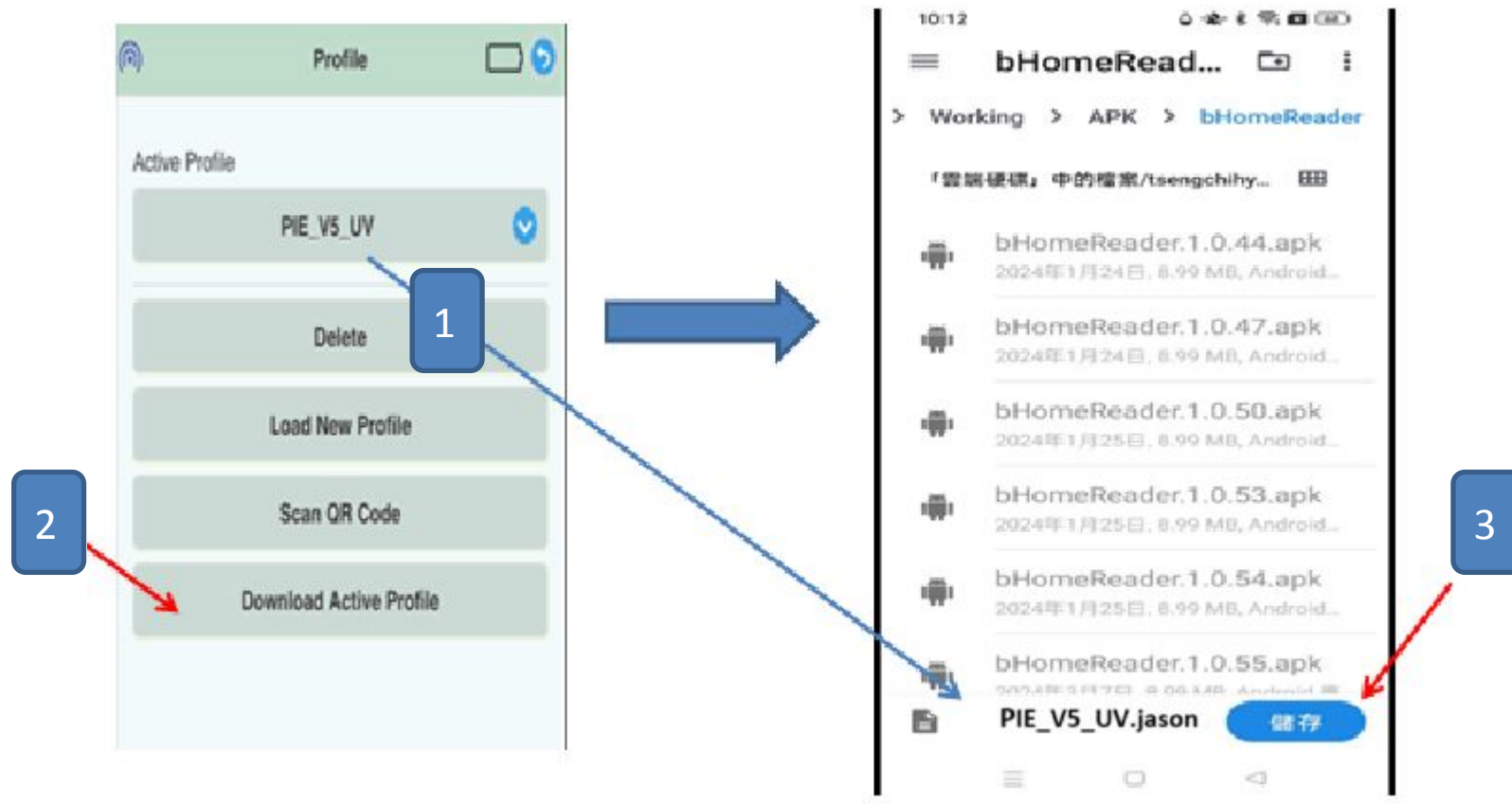


# Setting Profile: Scan QR Code

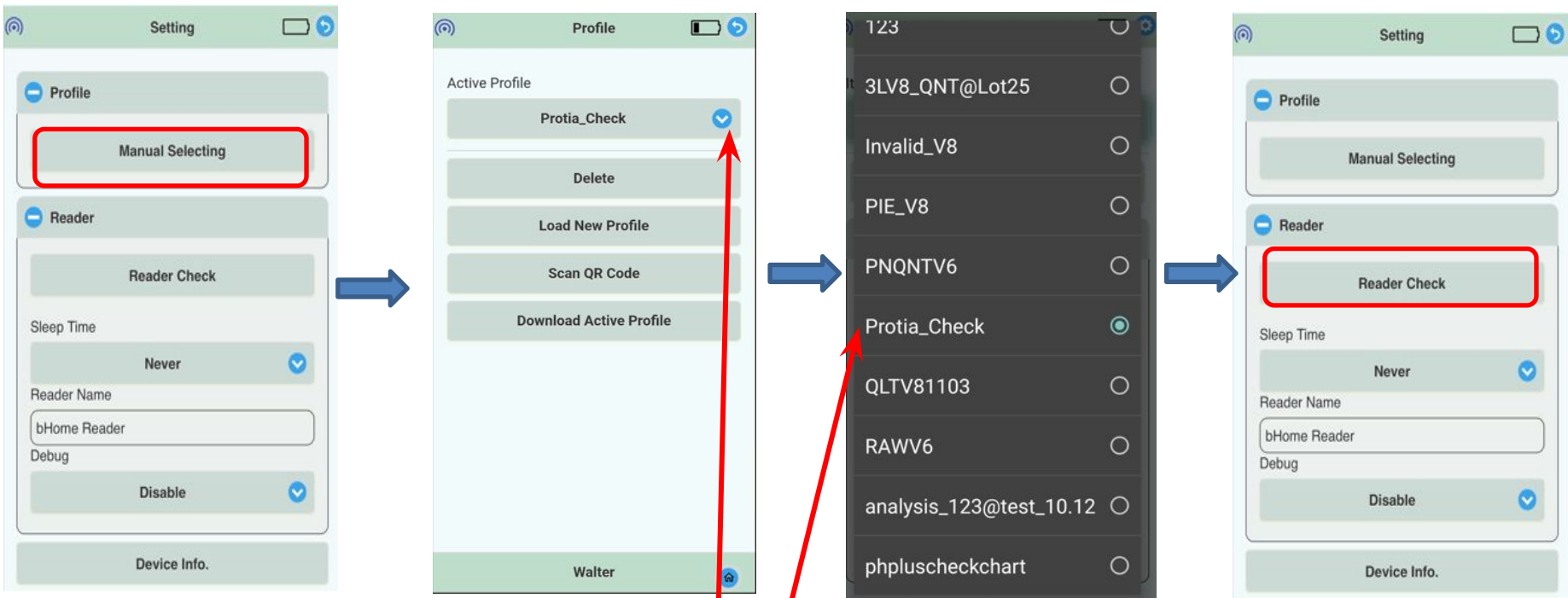


# Setting Profile: Download Active Profile

This function is for RS PH+ only. It will copy the active profile in RS PH+ to your mobile and save to the folder you assigned.

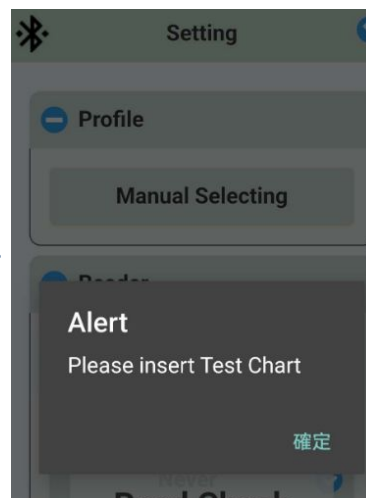
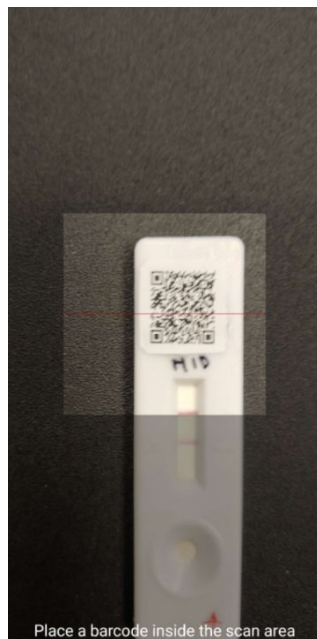
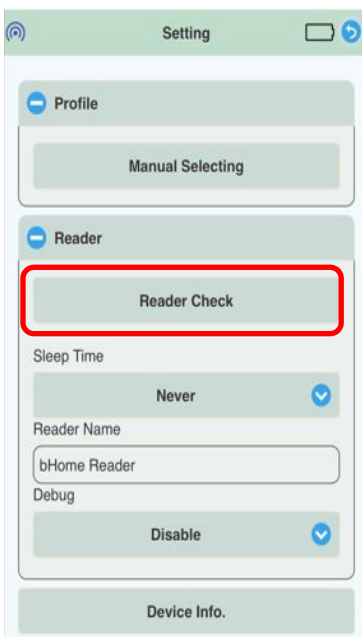


# Reader Check :Select Profile

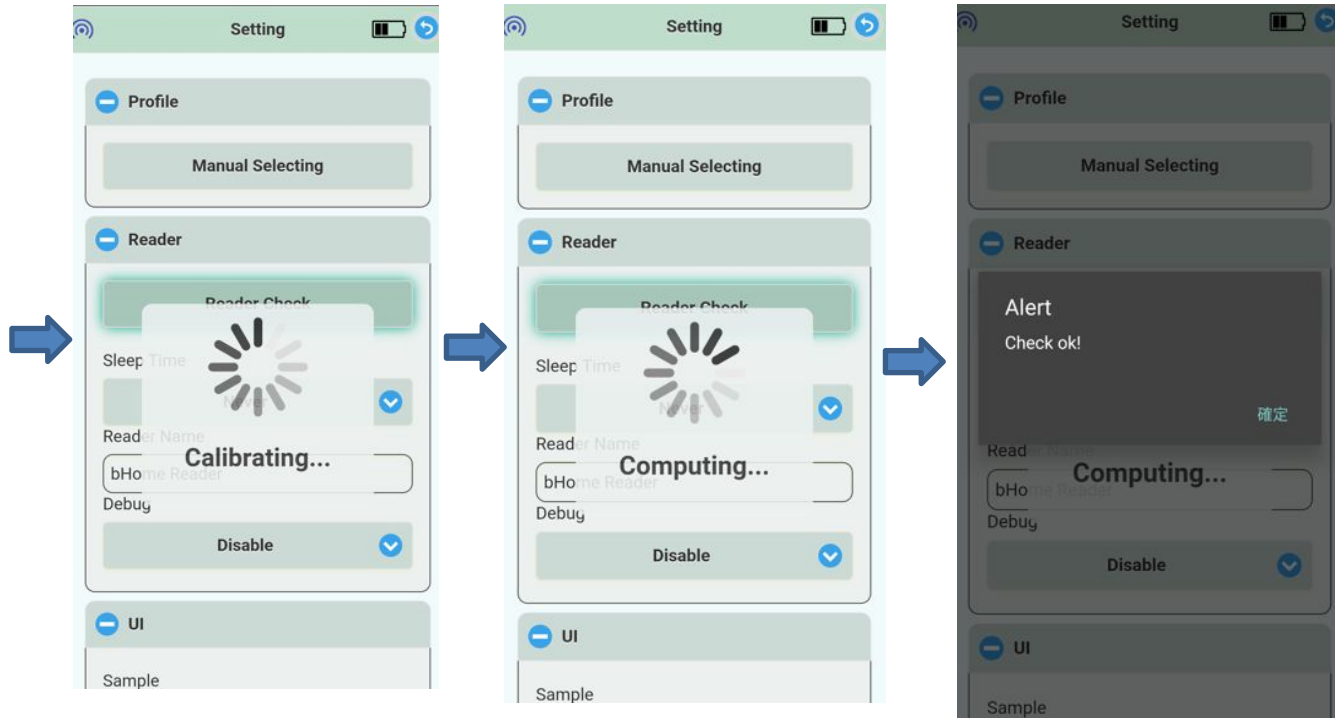
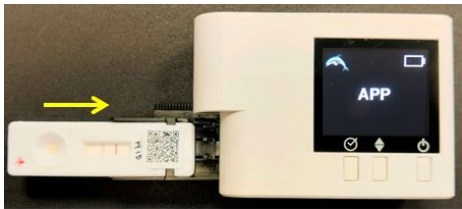


1. Select Reader Check profile

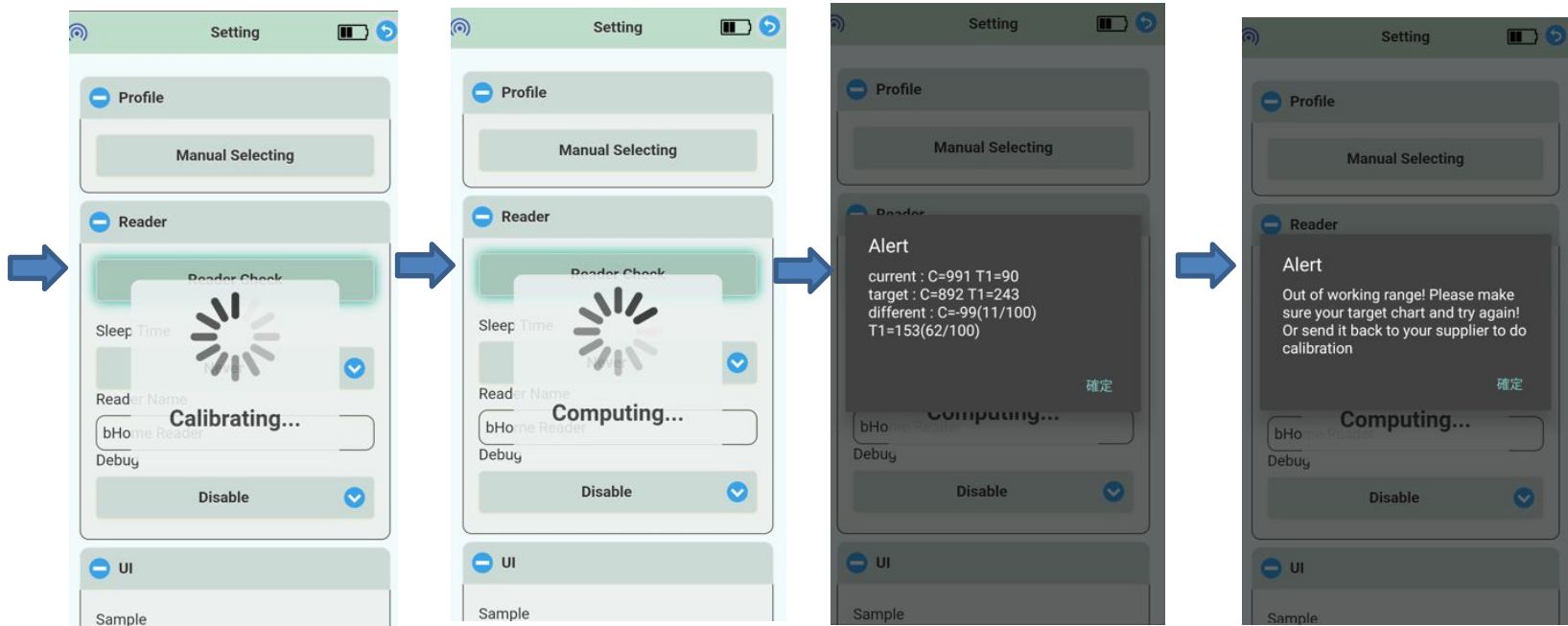
# Reader Check : Insert Test Chart



# Reader Check : Test Success

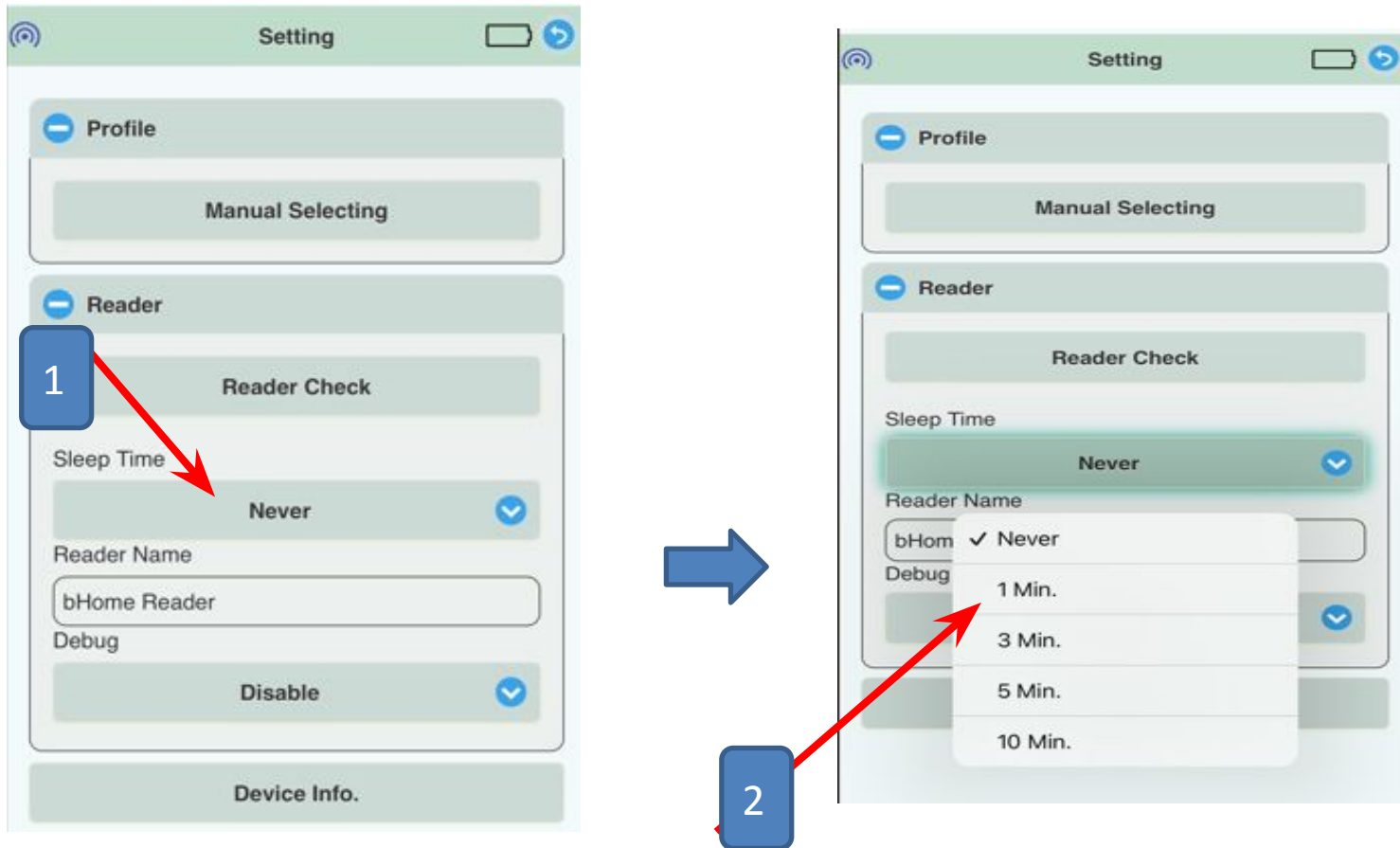


# Read Check: Test Failure





# Setting Reader : Sleep Time

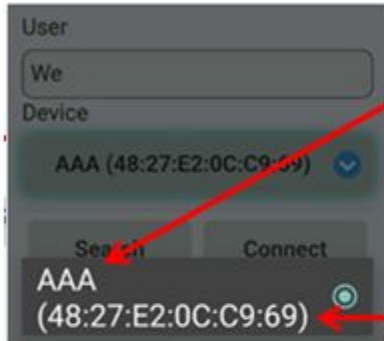


Usually set up is Never , if you set up to 1 min  
, that means after 1 min the power will auto  
shut down

# Setting Reader : Reader Name

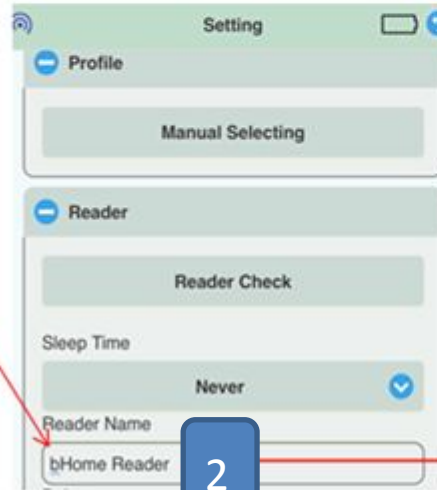
Reader Name is a meaningful name to identify this reader in case you have more than one reader are using at the same time. This name is only workable at this mobile you change its name.

Device MAC address. It is a unique number and won't be repeated with other devices.



Login Screen

1

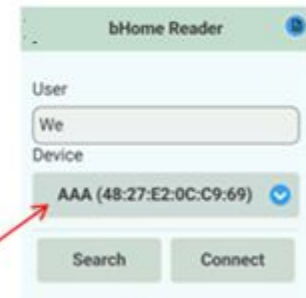


2

Setting Screen



3



Login Screen

# Setting Sample/Patient/Reference Range Disable

Don't need to input sample and patient before Analysis

Setting

Never

Reader Name

bHome Reader

Debug

Disable

UI

Sample

Disable

Patient

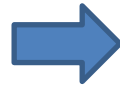
Disable

Reference Range

Disable

Device Info.

Walter



bHome Reader

Item

PIE\_V5

Walk Away

Analysis

Test Result

Test

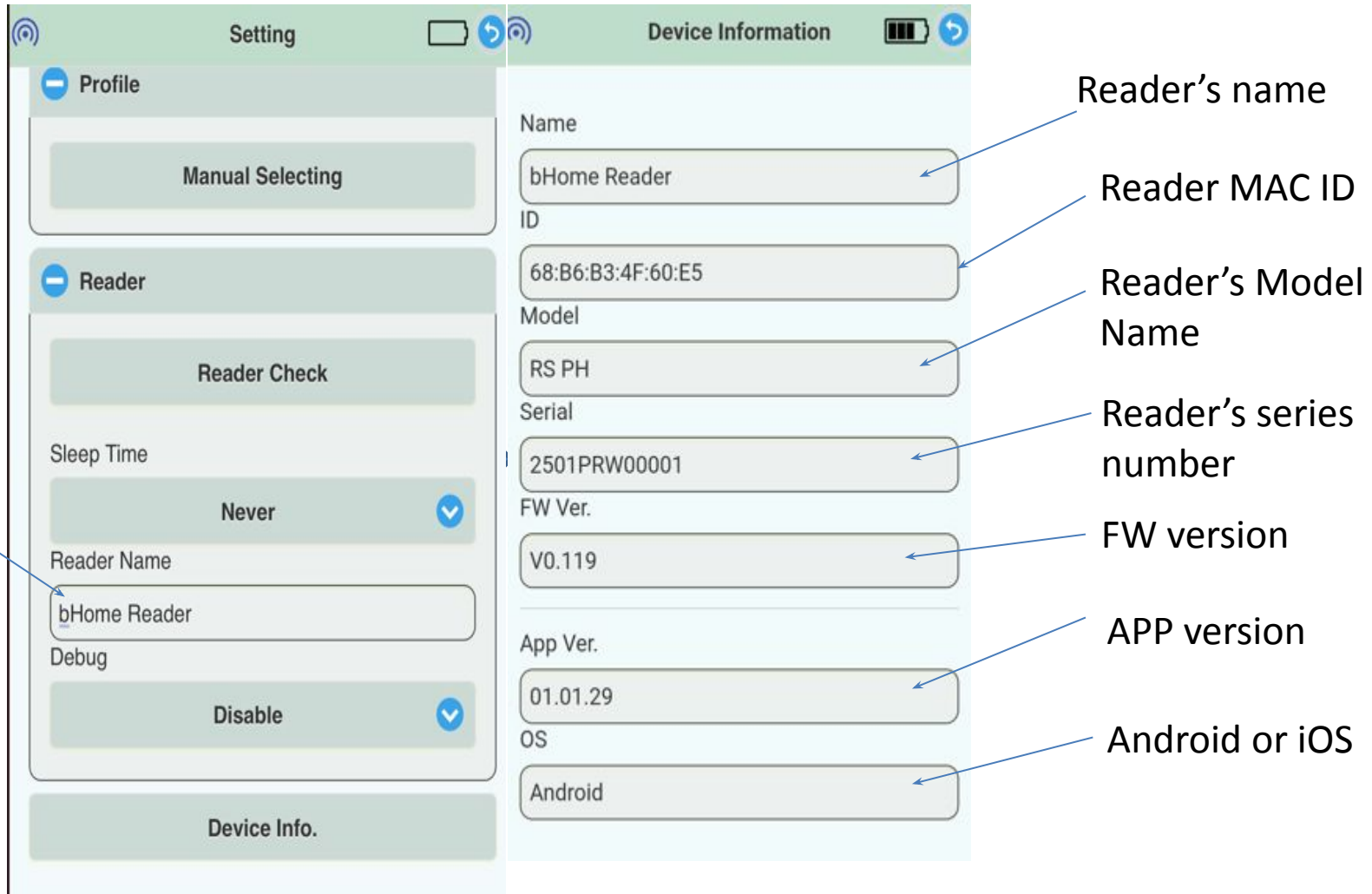
Time

Reference Range

Result

Walter

# Setting: Device Information



# Starting Analyzing And Checking Data

# Analysis – Type Sample ID And Patient ID

bHome Reader

PIE\_V5\_UV

Type the sample ID and Patient ID before Analysis

1

2

Sample

Patient

Walk Away

Analysis

Test Result

Test

Time

Reference Range

Result

Download PDF

Walter

Sample ID

123

Sample Type

Serum

Patient

Name

Walter

Age

20

Gender

Female

Remarks

Walk Away

Analysis

Test Result

Walter

# Select Sample Type

bHome Reader

Item

PIE\_V5

Sample

Sample ID

123

Sample Type

Serum

Patient

Name

Age

20

Gender

Female

Remarks



Item

PIE\_V5

Sample

Sample ID

123

Sample Type

Serum

+ Pat

- ✓ Serum
- Plasma
- Finger Prick
- Venous Blood

- Tes

Test

Time

# Select Age

bHome Reader

Item  
PIE\_V5

Sample

Sample ID  
123

Sample Type  
Serum

Patient

Name

Age  
20

Gender  
Female

Remarks

1



PIE\_V5

Sample

Sample ID  
123

Sample Type  
Serum

Patient

Name

Age  
20

Gender  
Female

Remarks

Test

2

12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28



# Select Gender

bHome Reader

Item

PIE\_V5

Sample

Sample ID

123

Sample Type

Serum

Patient

Name

Age

20

Gender

Female

Remarks

1



2

PIE\_V5

Sample

Sample ID

123

Sample Type

Serum

Patient

Name

Age

Gender

Female

Remarks

✓ Female

Male

# Walk Away Mode

bHome Reader

**Sample**

Sample ID  
123

Sample Type  
Serum

**Patient**

Name  
Walter

Age  
20

Gender  
Female

Remarks

Walk Away Analysis

**Test Result**

Test

Walter

At BHR can set up the Walkaway time

Profile Version V8

Profile Name  
PIE\_V8

Test  
Blood

Expiry Date  
2026/10/24

Unit  
ug/ml

WalkAway (min.)  
15

Light  
White

Reference Range  
0.58~0.91 ug/mL

**Input Time**

Reaction Time(Min)  
15

OK

You can set up Walk Away mode , reader will auto analysis after 15 min , or chage from 1min to 60 min or press Analysis button for immediatlty analysis .

# Starting Analysis

bHome Reader

PIE\_V5\_UV

+ Sample

+ Patient

Walk Away Analysis

Test Result

Test

Time

Reference Range

Result

Download PDF

Walter

bHome Reader

PIE\_V5\_UV

- Sample

Sample ID  
123

Sample Type  
Serum

- Patient

Name  
Walter

Age  
20

Gender  
Female

Remarks

Walk Away Analysis

Test Result

Walter

Test Result

Test

Time

Reference Range

Result

Scanning

Walk Away Analysis

Test Result

Test  
Blood

Time  
2025-08-07 18:27:48

Reference Range

Result  
C:669, T1:0, T2:589, T3:53

Download PDF

Walter

# Test Result

— Test Result

Test

Blood

Time

2025-12-01 17:27:28

Result

C:6282, T1:2312, T2:15

Raw Data

— Test Result

Test

Blood

Time

2025-12-01 17:27:03

Result

Positive+  
Positive+

Qualitative  
Data

— Test Result

Test

Blood

Time

2025-12-01 17:28:51

Result

< 0.10 ug/ml

Semi-Quantitative  
Data

— Test Result

Test

Blood

Time

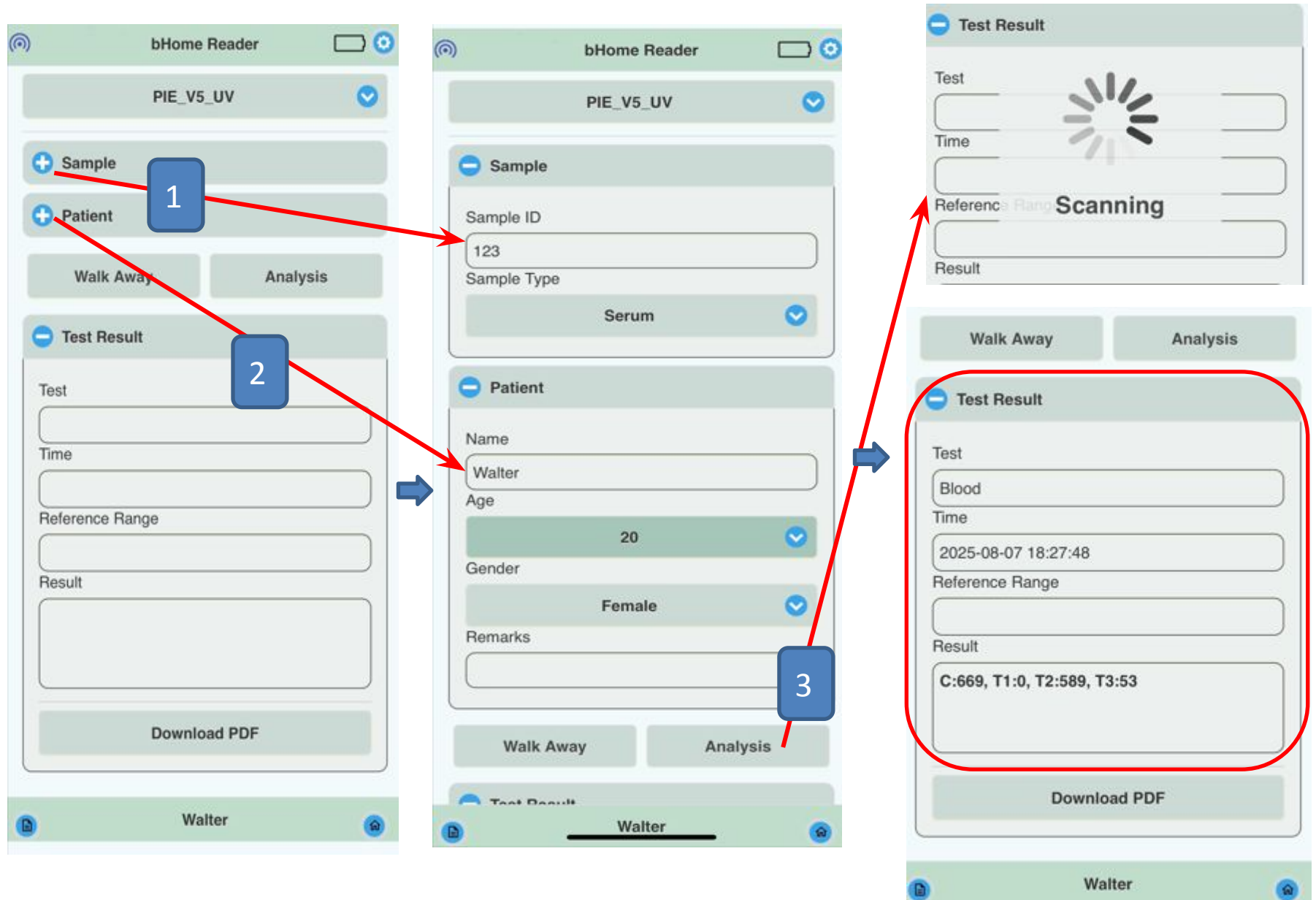
2025-12-01 16:04:25

Result

11.06 ug/ml  
13.74 ug/ml

Quantitative Data

# Starting Analysis



# Database

Set the date range

1

2

3

You can rotate the screen to horizontal if the column cannot be seen

The first screenshot shows the 'bHome Reader' app interface. It has a top bar with 'bHome Reader' and a settings icon. Below is a dropdown menu for 'Item' set to 'PIE\_V5\_UV'. There are buttons for '+ Sample', '+ Patient', 'Walk Away', and 'Analysis'. A 'Test Result' section is expanded, showing 'Test' as 'Blood', 'Time' as '2025-08-07 18:41:52', 'Reference Range' as an empty field, and 'Result' as 'C:806, T1:0, T2:623, T3:39'. A 'Download PDF' button is at the bottom. A red arrow points to a blue icon in the bottom left corner.

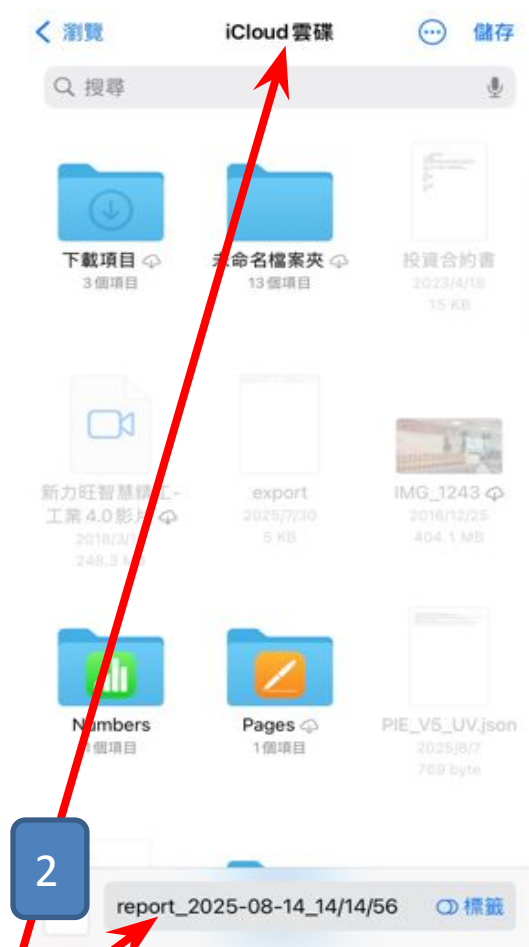
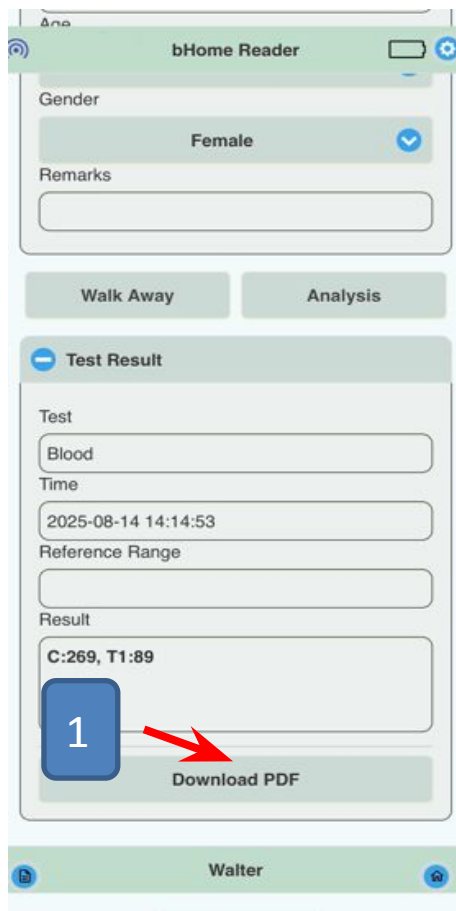
The second screenshot shows the 'Database' app interface. It has a top bar with 'Database' and a settings icon. Below is a 'User' field set to 'Walter'. A 'Date' field has two date pickers both set to '2025年8月7日'. A 'Sample ID' field is empty. A 'Search' button is at the bottom. A red arrow points from the 'Date' field to the 'Search' button. A blue arrow points from the 'Test Result' section of the first screenshot to this one.

The third screenshot shows the search results in a table format. The table has columns: Item, Sample ID, Date/Time, Test, and Test result. The data is as follows:

Item	Sample ID	Date/Time	Test	Test result
PIE_test(DL)	123	2025-08-07/17:03:08	Blood	Error:C Band Value too low
PIE_V5_UV(DL)	123	2025-08-07/18:23:03	Blood	C:440, T1:0, T2:475, T3:73
PIE_V5_UV(DL)	123	2025-08-07/18:23:59	Blood	C:674, T1:0, T2:589, T3:49
PIE_V5_UV(DL)	123	2025-08-07/18:27:48	Blood	C:669, T1:0, T2:589, T3:53
PIE_V5_UV(DL)	123	2025-08-07/18:41:52	Blood	C:806, T1:0, T2:623, T3:39

A blue arrow points from the 'Search' button of the second screenshot to this one.

# Export Database (PDF)



After saving the data file and send it to PC, then open it by PDF

You can change the folder location and the file name as your preference

# Export.csv File Data Format

user	sn	item	date	time	test	result1	result2	result3	C	T1	T2	T3	units	et c	et t1	et t2	et t3	raw				
Walter	2516VZ0	PIE_V8	2025/12/1	16:05:27	Blood	< 0.10 ug/ml	X	X	11938	360	80	X	ug/ml	113	112	110	100	115,8,115,8,223,7,200,7,198,7,197,7				
Walter	2516VZ0	PNQNTV6	2025/12/1	16:06:10	Blood	Negative-	X	X	786	0	0	X	ug/ml	113	112	110	100	110,8,110,8,207,7,197,7,193,7,191,7				
Walter	2516VZ0	analysis_123@	2025/12/1	16:07:03	Blood	C:11879, T1:400, T2:0	X	X	11879	400	0	X	ug/ml	113	112	110	100	101,8,101,8,199,7,184,7,188,7,180,7				
Walter	2516VZ0	PNQNTV6	2025/12/1	16:08:27	Blood	Positive+	X	X	439	311	103	X	ug/ml	113	112	110	100	168,7,168,7,5,7,254,6,17,7,89,7,153				
Walter	2516VZ0	QLTV81103	2025/12/1	16:36:13	123	Negative-	X	X	553	15	0	X	mg	113	112	110	100	94,9,94,9,82,7,47,7,41,7,82,7,140,7,				
Walter	2516VZ0	QLTV81103	2025/12/1	16:50:20	123	Negative-	X	X	563	6	0	X	mg	113	112	110	100	30,7,130,7,209,6,185,6,200,6,244,6				

Profile name

Test Result

Reader Internal  
Adjustment  
parameters

Signal Data

They are the original signal data for engineers. If you have some test that is not as you expected, our engineer can use it to check the problem.