

Table of Contents

Mobile terminal operation instructions	1
1.How to install App	1
2.Device list	2
Connecting multimeters	2
Multimeter controls	3
Naming multimeter	4
Set voice broadcast	4
Setting threshold alarm	5
Delete multimeters	7
3.Recording offline reading	8
Start offline recording	8
Stop offline recording	9
Read offline recording	9
4.Data chart	10
5.File reading	14
Load data	16
Share recording	16
Rename file	17
Delete recording	17
6.Function setting	19
Set online record interval and count	19
Save online data record	19
Set the theme	21
About	21
Exit app	21
Computer side operation instructions	22
1.How to install App	22
2.Device list	22
Connecting multimeters	22
Multimeter controls	24
Naming multimeter	25
Setting threshold alarm	26
Delete multimeters	28
3.Recording offline reading	29
Start offline recording	29
Stop offline recording	29
Read offline recording	30
4.Data chart	31
5.Read file	35
Load data	36
Rename file	37
Delete recording	37

6.Function setting	38
Set online record interval and count	38
Save online data record	39
Set the file save location	40
Set the theme	41
About	41

iMeter can be operated in two ways: mobile and computer (Windows 10 + only).

Mobile terminal operation instructions

1.How to install App

The iMeter app can be downloaded to your mobile device from Google Play and Apple App Store, or by scanning the QR code below and following the instructions.




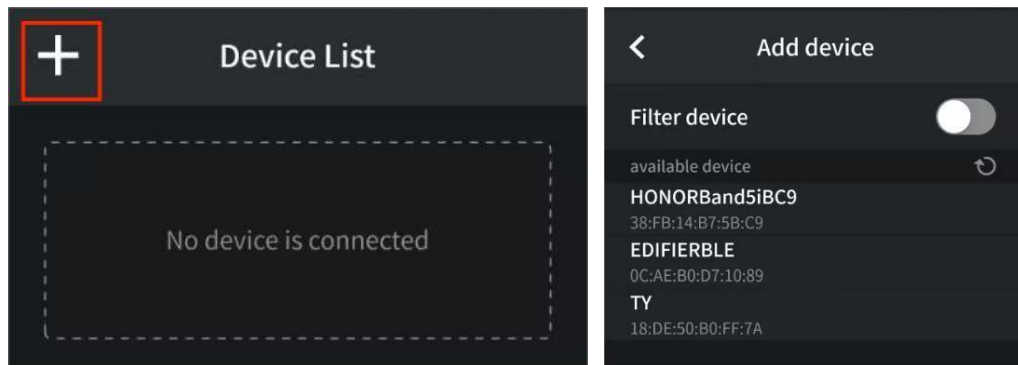
2.Device list

Connecting multimeters

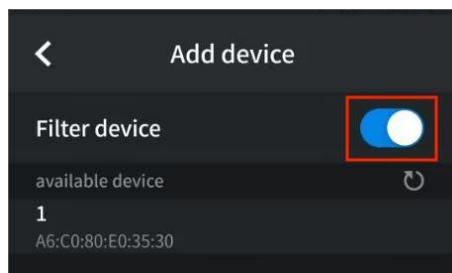
Connect the multimeter to the mobile app to receive readings.

Note:When the multimeter restarts or shuts down, it needs to be reconnected.

- 1、 Enable Bluetooth on your mobile device.
- 2、 Turn on the multimeter.
- 3、 On the multimeter, press and hold the button with a Bluetooth identifier until the Bluetooth icon "  " is displayed on the multimeter screen.
- 4、 Open the iMeter APP on your mobile device.
- 5、 Click on "**Device List**" in the bottom navigation bar.
- 6、 Click the "+" icon in the upper left corner to begin searching for devices and list out the multimeters found.



- 7、 Active "**Filter device**" to hide incompatible multimeters.(This function is compatible with OW series products. To connect B series products, please disable the filter device switch.)

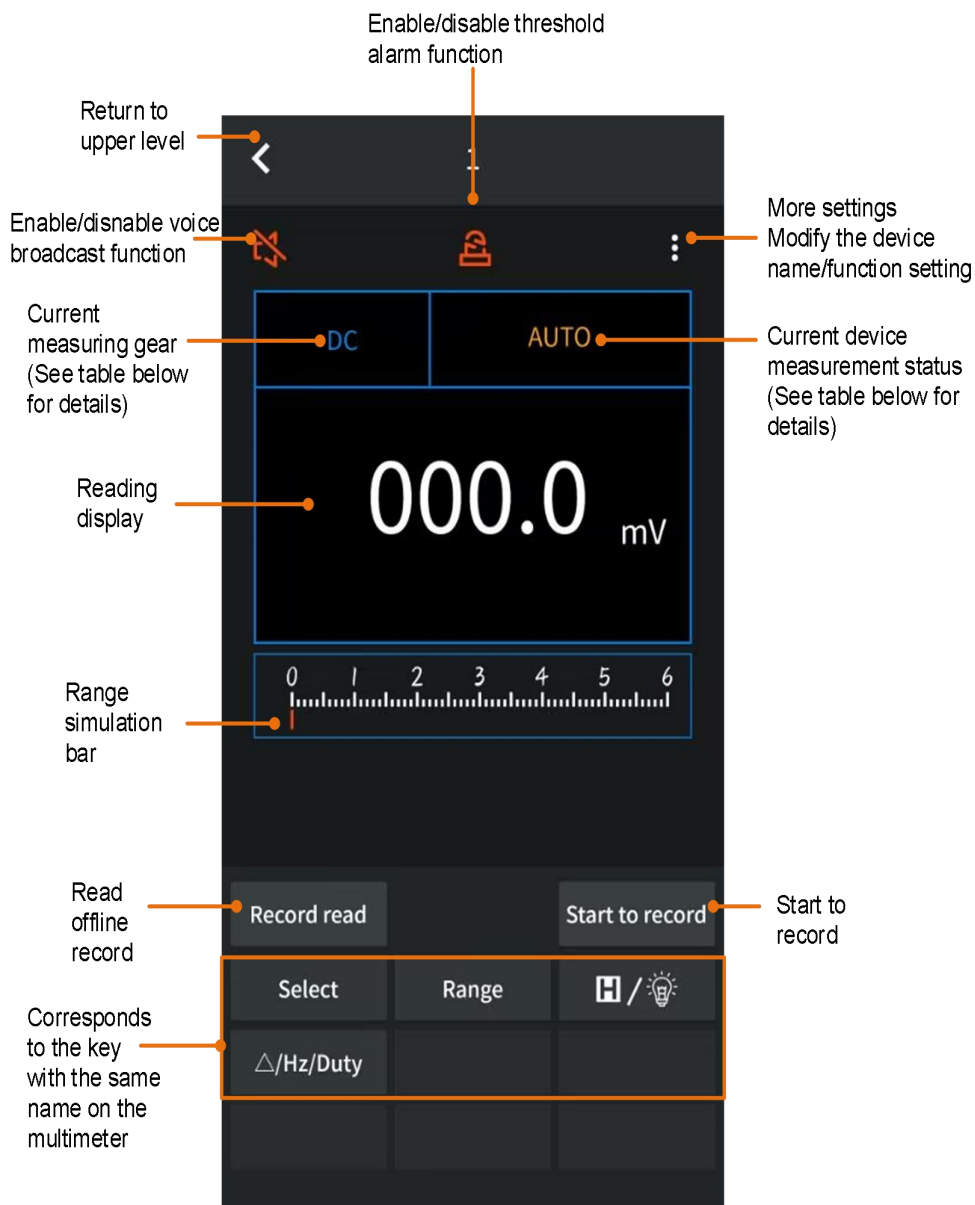


- 8、 Click the found multimeter to connect it to your mobile device.
 - After successful connection, the multimeter reading appears in the mobile app.



Multimeter controls

- 1、 Click on **"Device List"** in the bottom navigation bar.
- 2、 Click the device you want to control in the list to enter the multimeter control interface.



Measuring gear comparison table:



Display	Function	Display	Function
DC	DC voltage/current measurement	CAP	Capacitance measurement
AC	AC voltage/current measurement	Hz	Frequency measurement
RES	Resistance measurement	DUTY	Duty cycle measurement
CONT	On-off test	TEMP	Temperature measurement
DIODE	Diode measurement	POWER	Power measurement

Measurement status comparison table:

Display	Function	Display	Function
HOLD	Holds or locks the current value	REL	Relative value
AUTO	Automatic measuring range	Bat	Low battery
MAX	Maximum holding	MIN	Minimum holding
RMR	Current value (only B41 model)		

Naming multimeter

Users can customize the display name of the multimeter on the current device. After the modification, the new device name will be displayed when all host computers are connected.


- 1、Click on **"Device List"** in the bottom navigation bar.
- 2、Click the multimeter you want to rename and enter its control interface.
- 3、Click on the upper right corner of the control interface "", to enter more settings.
- 4、Click **"Modify device name"** and enter a new name.
- 5、Click on the save icon " " in the upper right corner of the interface to permanently assign the new name to the multimeter.

Set voice broadcast

The voice broadcast function is the function of broadcasting the measurement results in a fixed period. When the function is enabled or the gear is switched, it will first announce the information of the current measurement gear. Subsequently, only the measurement readings will be announced in the following announcements.

Voice broadcasting can be turned on in two ways:

1、 Click the shortcut key at the top of the control interface to turn on or off the voice broadcast.

2、 Click on the upper right corner of the control interface "⋮", to enter more settings, click on "Voice Broadcast" switch ,turn on or off the function.


Setting threshold alarm

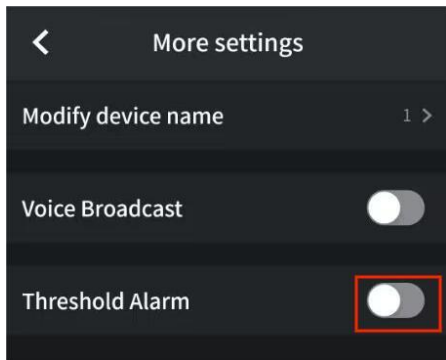
The threshold alarm function is used to monitor and alarm abnormal measurement readings.Users can set the range and alarm mode for each connected multimeter device.

When this function is enabled, the program monitors whether the readings of the corresponding multimeter are within the set range (or outside the range, depending on the alarm mode). If it exceeds the range, an alarm will be triggered.

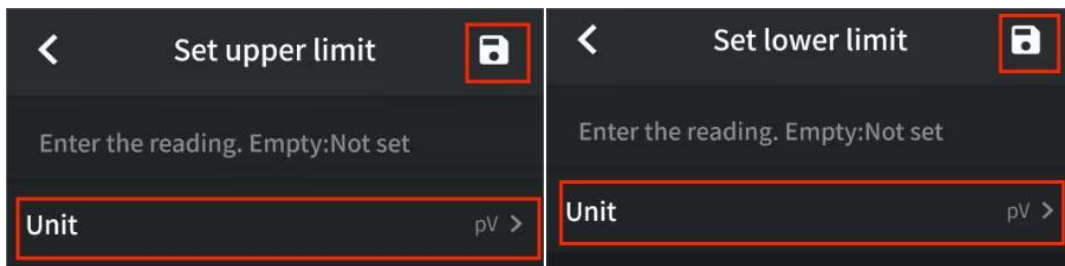
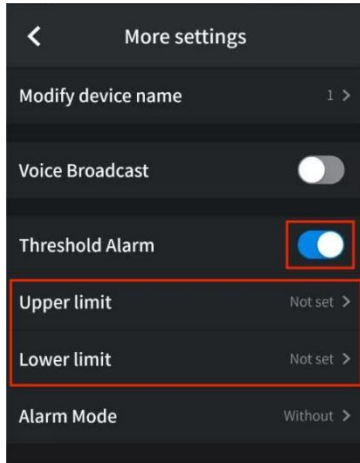
Alarm effect includes alarm sound, and measurement reading text will flash on the interface (including device control interface and device list interface).

1、 Click the shortcut key at the upper of the control interface to turn the threshold alarm on or off.

2、 Click on the upper right corner of the control interface screen "⋮", click the "Threshold Alarm" switch ,turn threshold alarms on or off.



3、 Set the upper and lower range limits.Click the **upper/lower** limit setting item in the settings list to set the threshold alarm range.Click "☑" button to save entries.



4、 Click on "**Alarm Mode**" and select a range condition:

- "**Inside**": sound alarm if reading falls within the lower and upper limit;
- "**Outside**": sound alarm if reading falls outside the upper or lower limit.

After selecting, click on "**Save**", the range condition is set.

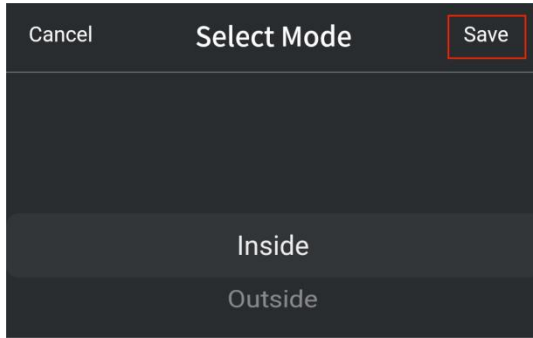
Description: The upper and lower limits can be set separately without setting both conditions. Here is an example:

Set the upper limits to 1V, the alarm mode is Outside: The alarm is triggered when the reading is greater than 1V, and the alarm is not triggered when the reading is less than or equal to 1V;

Set the upper limits to 1V, the alarm mode is Inside: The alarm is triggered when the reading is less than 1V, and the alarm is not triggered when the reading is greater than or equal to 1V;

Set the lower limits to 1V, the alarm mode is Outside: The alarm is triggered when the reading is less than 1V, and the alarm is not triggered when the reading is greater than or equal to 1V;

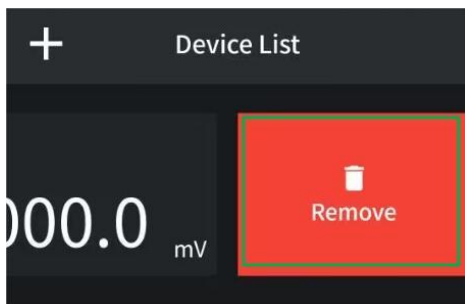
Set the lower limits to 1V, the alarm mode is Inside: The alarm is triggered when the reading is greater than 1V, and the alarm is not triggered when the reading is less than or equal to 1V.



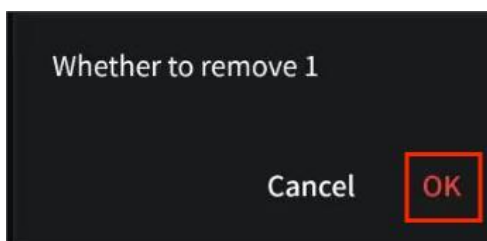
You have set and enabled the threshold alarm and it remains activated until you disabled it or the device is disconnected.

Delete multimeters

- 1、 Click on **"Device List"** in the bottom navigation bar.
- 2、 In the list of devices, select the multimeter you want to disconnect, and swipe left after touching your finger. Click the **"Remove"** button that slides out.



- 3、 Click on **"OK"** in the pop-up prompt to disconnect the multimeter.



3. Recording offline reading

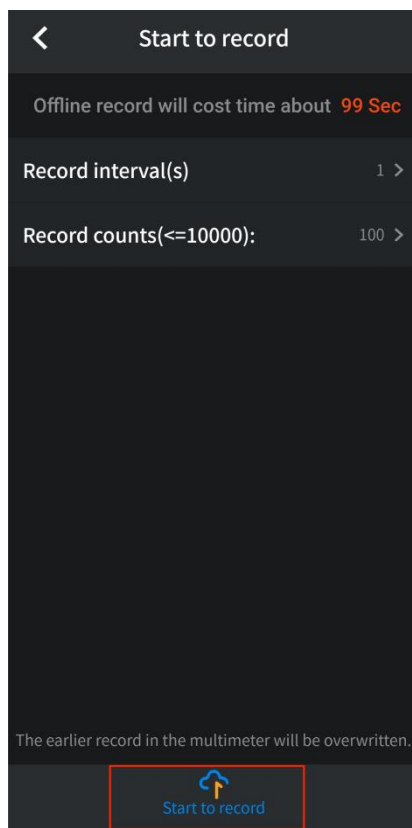
You can record offline readings on the multimeter while the multimeter is disconnected from the mobile app. After recording, you can reconnect the multimeter to the mobile device and import records into the mobile phone.

Note: If recording is in progress, the multimeter will be disconnected from the mobile terminal, you cannot connect the multimeter to the mobile app until recording stops.

Start offline recording

- 1、 Click on **"Device List"** in the bottom navigation bar.
- 2、 Select the multimeter that you want to record the offline readings and enter the device control interface.
- 3、 Click on **"Start to record"**, enter the offline recording configure interface.
- 4、 Click on **"Record interval(s)"**, click on the right **>**, enter the recording interval time in seconds in the popped-up input box.
- 5、 Click on **"Record counts(<=10000)"**, click on the right **>**, enter the number of records to be written in the popped-up input box.
- 6、 Click **"Start to record"** at the bottom to start recording offline measurement data.

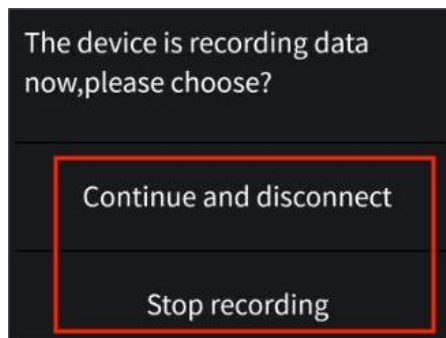
Note: When the offline recording starts, the connection between the multimeter and the mobile terminal will be disconnected.



Stop offline recording


There are two ways to stop offline recording:

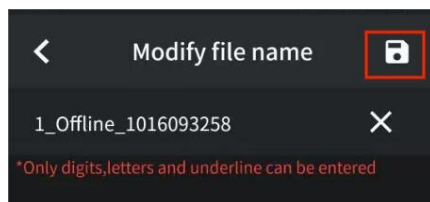
- Stop offline recording by turning off the multimeter;
- After the multimeter and the mobile terminal are connected,if the current multimeter is still recording offline, the mobile application will pop up a reminder window that the current multimeter is recording offline.The prompt window has two options, "**Continue and disconnect**" and "**Stop recording**", as shown below.



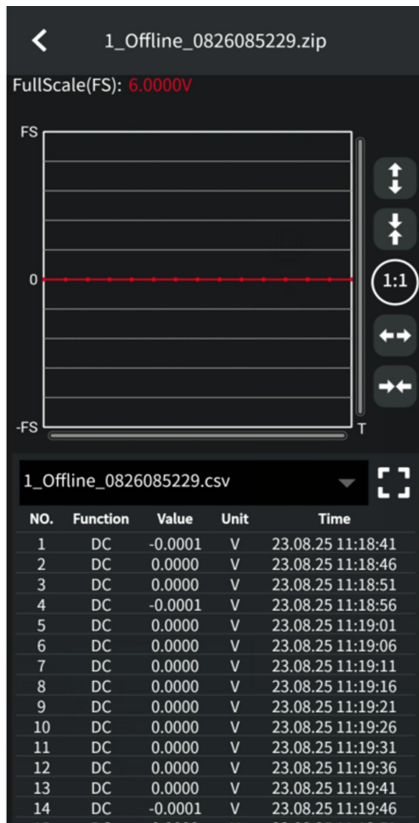
Read offline recording

After offline recording completes,you can transfer the readings from the multimeter to the mobile app for viewing and storage.

- 1、 Reconnect the multimeter that has recorded offline data to the mobile app.
- 2、 On the screen "**Device List**",click on the multimeter to open its controls screen.
- 3、 Click on "**Record read**" to open the offline record interface.
- 4、 In the reading offline record interface,click on "**Save as:**" can change the file name.Click "" icon in the upper right corner to save the new name.



- 5、 At the bottom of offline record interface,click on "**Read data**" will transfer the records to the mobile app.
- 6、 At the bottom of offline record interface,click on "**Data Chart**" to chart the recordings.



4.Data chart

With the charting function,you can chart and tabulate readings.You can chart online readings(under **"Data Chart"**) or recorded readings(under **"Read File"**).

Chart view

1、 Click on **"Data Chart"** in the bottom navigation bar to open the online charting interface.

Save the current reading data

Multimeter range: FullScale(FS): 600.0mV

Pause/start reading

Chart

The multimeter being read

The multimeter records a list of data

Clear data

Select the line segment to display

Expand Y-axis

Contract Y-axis

Reset chart scaling to default

Expand X-axis

Contract X-axis

Hide char

NO.	Function	Value	Unit	Time
88	DC	000.0	mV	23.10.16 09:33:34
89	DC	000.0	mV	23.10.16 09:33:34
90	DC	000.0	mV	23.10.16 09:33:35
91	DC	000.0	mV	23.10.16 09:33:36
92	DC	000.0	mV	23.10.16 09:33:36
93	DC	000.0	mV	23.10.16 09:33:37
94	DC	000.0	mV	23.10.16 09:33:37
95	DC	000.0	mV	23.10.16 09:33:38
96	DC	000.0	mV	23.10.16 09:33:38
97	DC	000.0	mV	23.10.16 09:33:39
98	DC	000.0	mV	23.10.16 09:33:39
99	DC	000.0	mV	23.10.16 09:33:40
100	DC	000.0	mV	23.10.16 09:33:40

Device List Data Chart Read File Setting

2、 The full scale on the chart is set according to the measuring range of the current multimeter. The following pictures all measure about 5 volts, but the scale of the drawing will be different under different ranges.

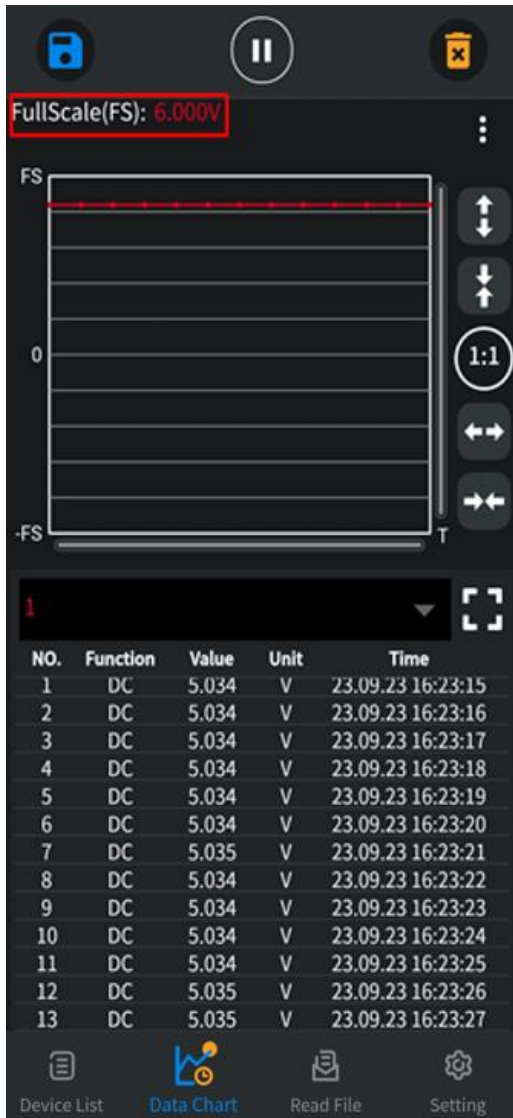


Figure 1

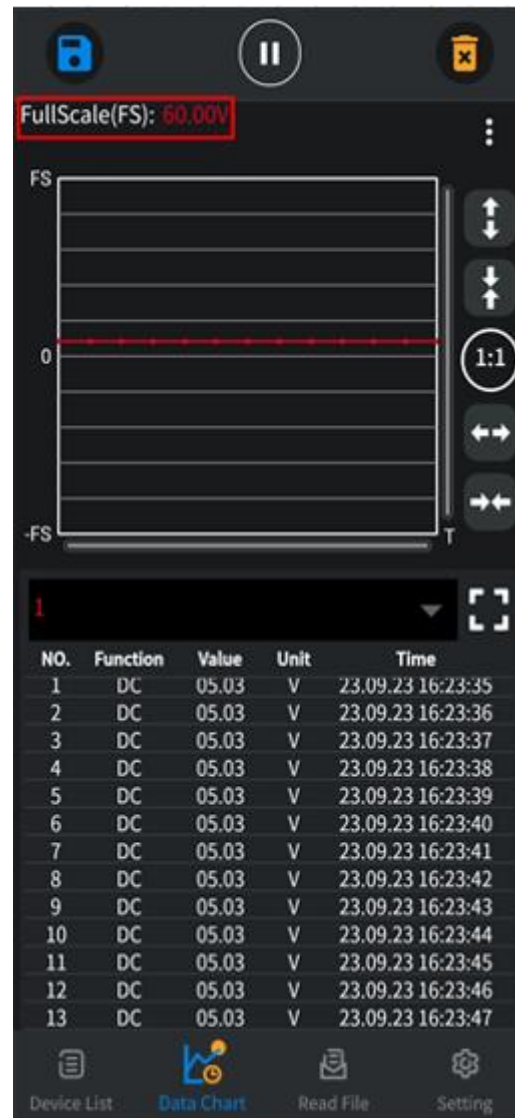


Figure2

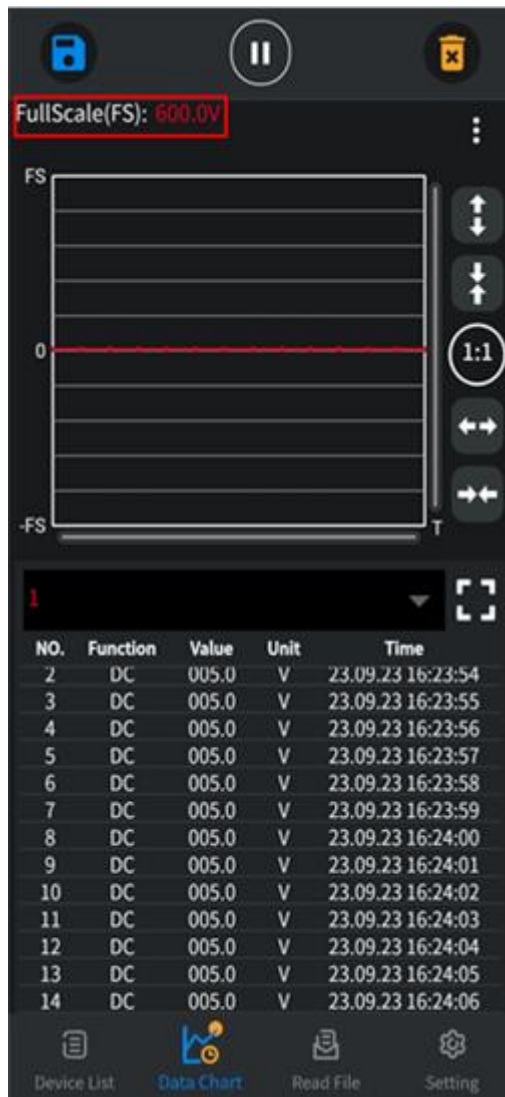


Figure 3

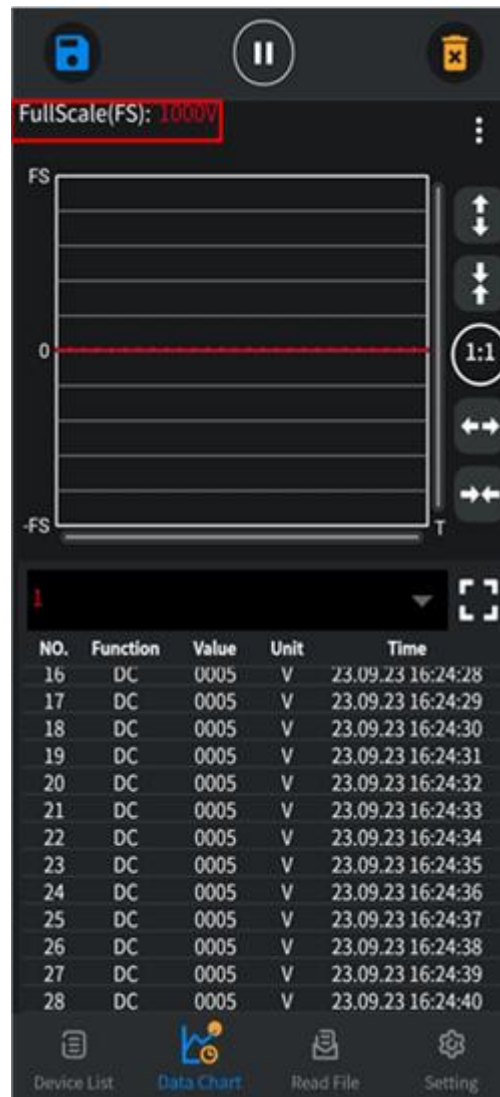


Figure 4

Note:In the example,demonstration with 6000 reading multimeter.Observe the position of the decimal point following the reading after FullScale at the top, as well as the position of the decimal point in the reading table below..

- Figure 1: The reading is 5.034V,the decimal point comes before the second place in the reading. Adding a decimal to the second digit of 6000 gives a full scale of 6.000V.
 - Figure 2: The reading is 05.03V. Adding a decimal to the third digit of 6000 gives a full scale of 60.00V.
 - Figure 3: The reading is 005.0V. Adding a decimal to the four digit of 6000 gives a full scale of 600.0V.
 - Figure 4: The reading is 0005V, there's no decimal point. In this case, the full scale value should be 6000. However, the multimeter used in this example can only measure up to 1000V at most, so the full scale is shown as 1000V.
- (1) To display the appropriate line chart on the chart, it is necessary to select the appropriate measurement range or select the automatic range.For

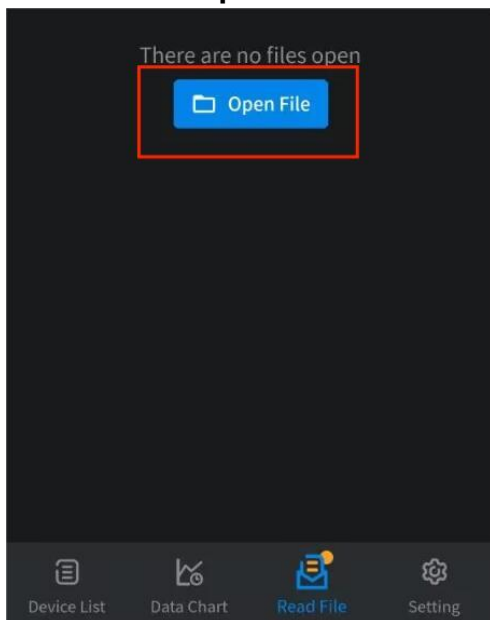
example,if 12V voltage is to be measured, a range of 60.00V should be selected to ensure proper scaling of the chart.

- (2) The range shown on the chart is determined based on the maximum range measured in the record.For example,if 2.000V is initially measured, the full scale on the chart will be 6.000V.If the subsequent measurement of 12.00V exceeds the 6.000V range, the range is automatically changed to 60.00V.If a larger voltage is measured later, the multimeter automatically switches to a larger range when the measurement exceeds the current range.
- (3) If you have finished measuring the higher voltage and now want to measure the lower voltage and reset the range of the chart to a smaller value, you can click the delete icon "🗑️" in the upper right corner to clear the previously recorded data.When the instrument receives new data with smaller measurements, the range is adjusted accordingly.

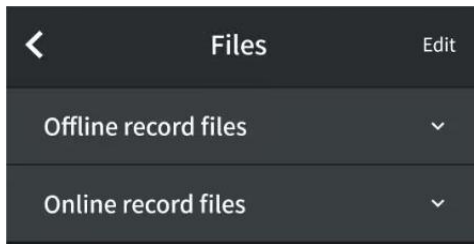
5.File reading

Files that are recorded and saved, and can be edited and opened by file reading.The files that can be read through files are offline data files and online data files.

- 1、 Click on **"Read File"** in the bottom navigation bar.
- 2、 Click on **"Open File"**.

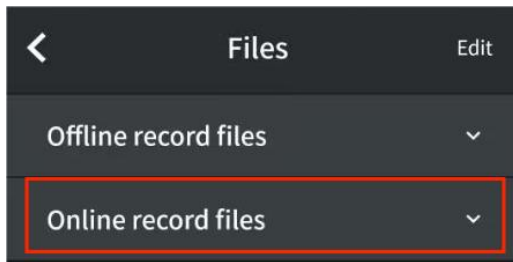


- 3、 Enter the saved **"Files"** interface.

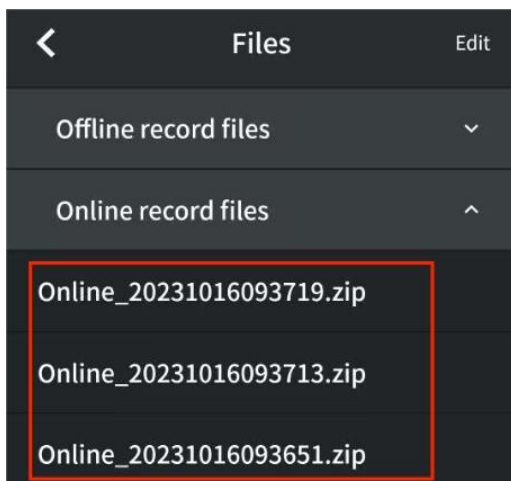


- Select the data file as desired (offline record files & online record files), select **"Online record files"** as an example, the steps are as follows:

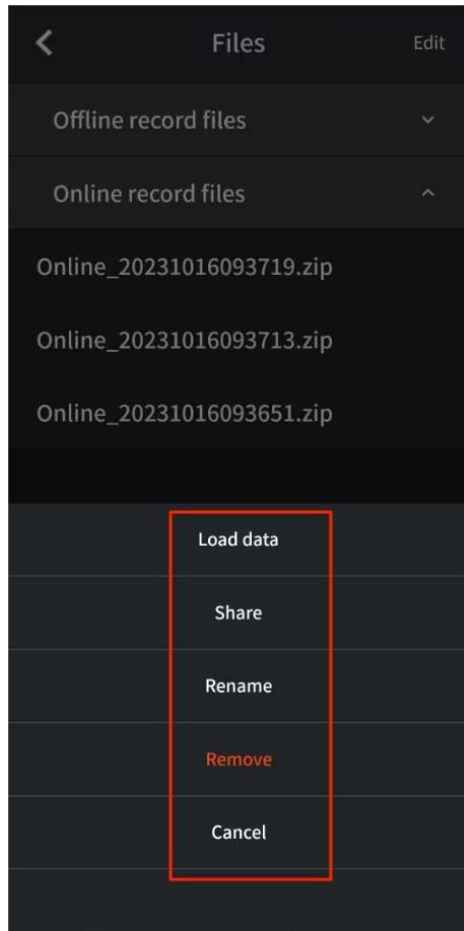
1、Click on **"Online record files"** in the files interface.



2、Open the online record files list.



3、Select and click the desired file, open the data file operation menu, the following operations can be performed on the data file: Load data, Share, Rename and Remove.

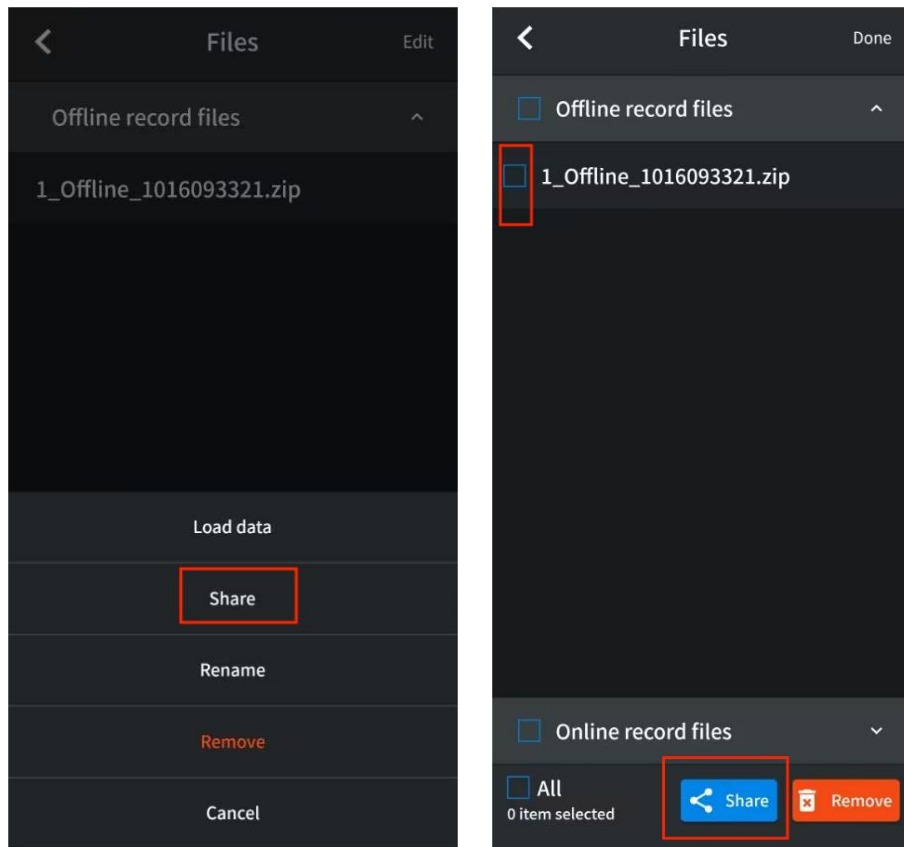


Load data

- 1、 Click on **"Read File"** in the bottom navigation bar.
- 2、 Click on **"Open File"**.
- 3、 Select **"Offline record files"** or **"Online record files"**, and then click on **"Load data"** in the file menu.

Share recording

- 1、 Click on **"Read File"** in the bottom navigation bar.
- 2、 Click on **"Open File"**.
- 3、 Select **"Offline record files"** or **"Online record files"**, and then click on **"Share"** in the file menu. Or click on **"Edit"** in the upper right corner, select multiple file and click on **"Share"**.



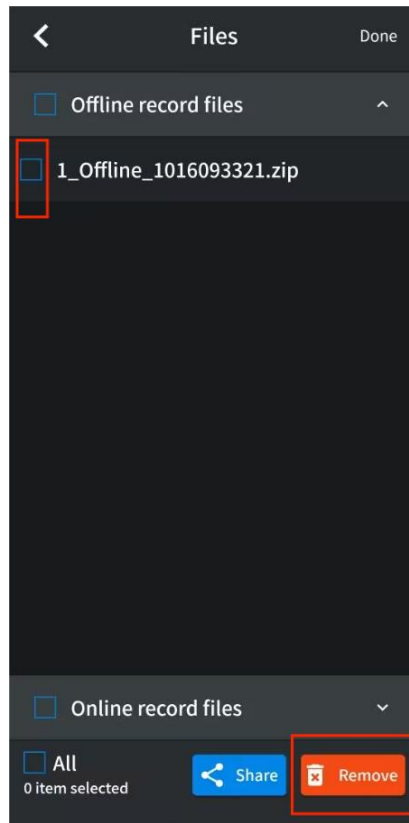
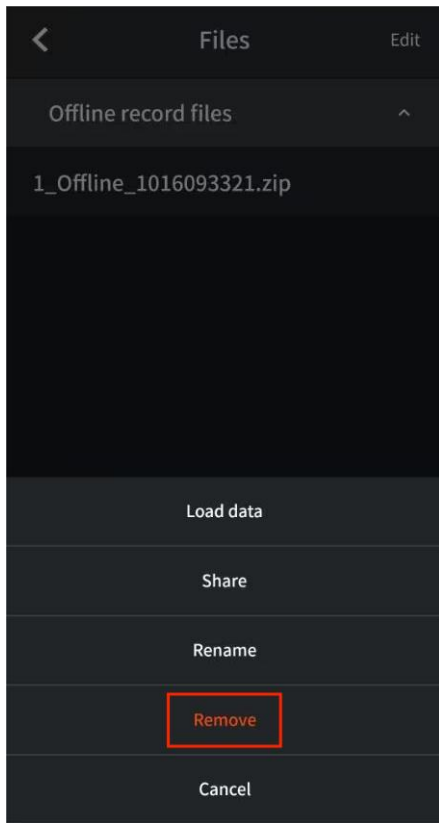
4、 Files are shared through communication applications installed on the mobile device.

Rename file

- 1、 Click on **"Read File"** in the bottom navigation bar.
- 2、 Click on **"Open File"**.
- 3、 Select **"Offline record files"** or **"Online record files"**, and then click on **"Rename"** in the file menu, customize the file name as desired.

Delete recording

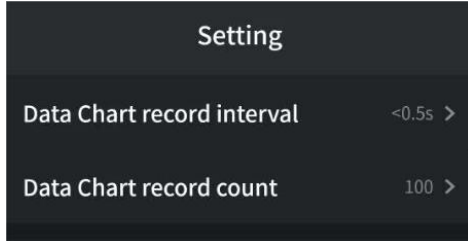
- 1、 Click on **"Read File"** in the bottom navigation bar.
- 2、 Click on **"Open File"**.
- 3、 Select **"Offline record files"** or **"Online record files"**, and then click on **"Remove"** in the file menu. Or click on **"Edit"** in the upper right corner, select multiple file and click on **"Remove"**.
- 4、 Click the prompt to confirm deleting the file.



6.Function setting

Set online record interval and count

1、 Click on **"Setting"** in the bottom navigation bar.



2、 Under **"Data Chart record interval"**,click to set the interval between two consecutive records in the data chart interface.For example: Setting 1s, the minimum interval between each data chart record is 1 second.Click on **"Save"** to finish setting.

3、 Under **"Data Chart record count"**,click to set the maximum number of data records for each connected multimeter on the data chart interface.Click on **"Save"** to finish setting.

Note:When the number of recorded data reaches the configured number of records, the earliest data will be deleted while the subsequent new data is added.


Save online data record

You can record online readings by outputting them to a file while the multimeter is connected(online) to the mobile app.

Recording online data manually

1、 Click on **"Data Chart"** in the bottom navigation bar.

2、 Control recordings:

- Click on the button "",save the measurements to a local file and delete the saved data on the screen.



- Click on  /  button to Start/Pause recording.



- Click on the button "",the measurement data will be cleared from the

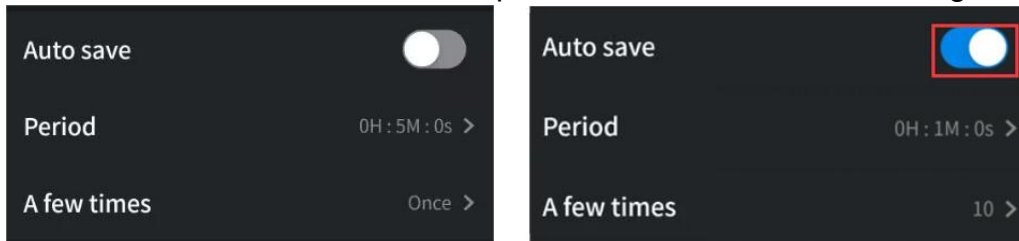
screen.



Recording online data automatically

Before turning on automatic recording of online readings, first, set the parameters of **"Period"** and **"A few times"** according to the need. Otherwise, after the automatic storage function is enabled, it will not be set.

- 1、 Click on **"Setting"** in the bottom navigation bar.
- 2、 Click on **"Period"**, set the interval time for data chart records to be saved to the file and then click on **"Save"**.
- 3、 Click on **"A few times"**, set the storage counts for data chart records to be saved to the file and then click on **"Save"**.
- 4、 Click on **"Auto save"** slide to open or close the automatic storage function.



When you enable the automatic storage function, online records are automatically saved to a file;

When the number of storage reaches the set number of times, the automatic storage function will be turned off by itself. Meanwhile, if all the multimeters to which the app is connected are disconnected, automatic storage will turn itself off.

Save long data to file

Because a single multimeter device can only save 3000 real-time data, when you need to save more than this limit, you can use the automatic saving function to achieve.

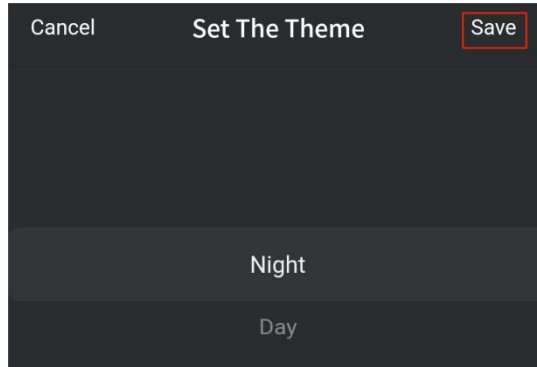
Assuming that the real-time data recording interval of the current configuration is 1s and the number of records is 3000, it will be full of data after 50 minutes. If you want to save 30,000 entries, you can configure the following to store them automatically:

- 1、 Set the period to 0H: 50M: 0s
- 2、 Set the few times to 10
- 3、 Click on **"Auto save"** to open the function.

As long as the multimeter device is connected, 30,000 pieces of real-time data can be stored in 10 files. You can read or share each file independently.

Set the theme

Click to select display theme as **"Night"** or **"Day "**, click **"Save"** to finish setting.



About

Click to view information about the application.

Exit app

Click to exit the current app.

Computer side operation instructions

1.How to install App

You can get the installation package from our official website and download it to your computer.

2.Device list

Connecting multimeters

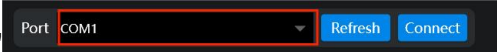
Connect the multimeter to the PC app to receive readings.

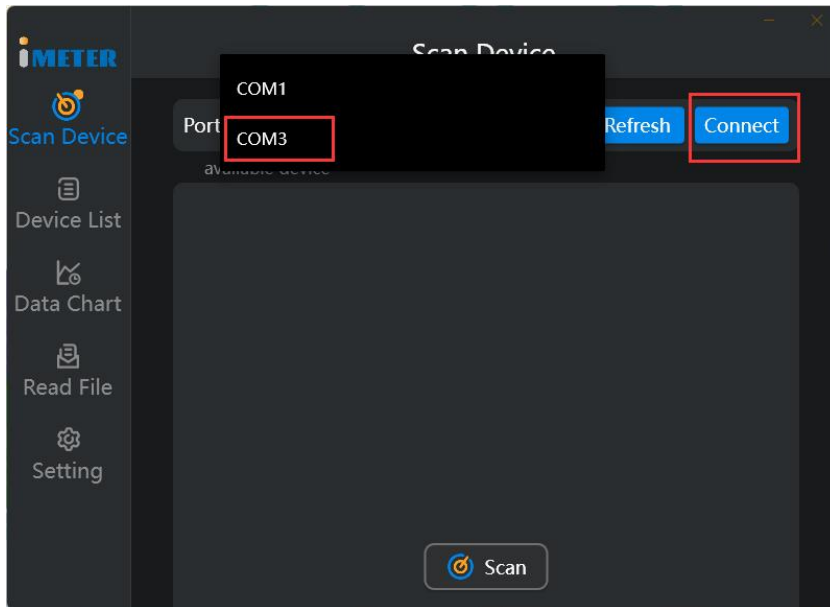
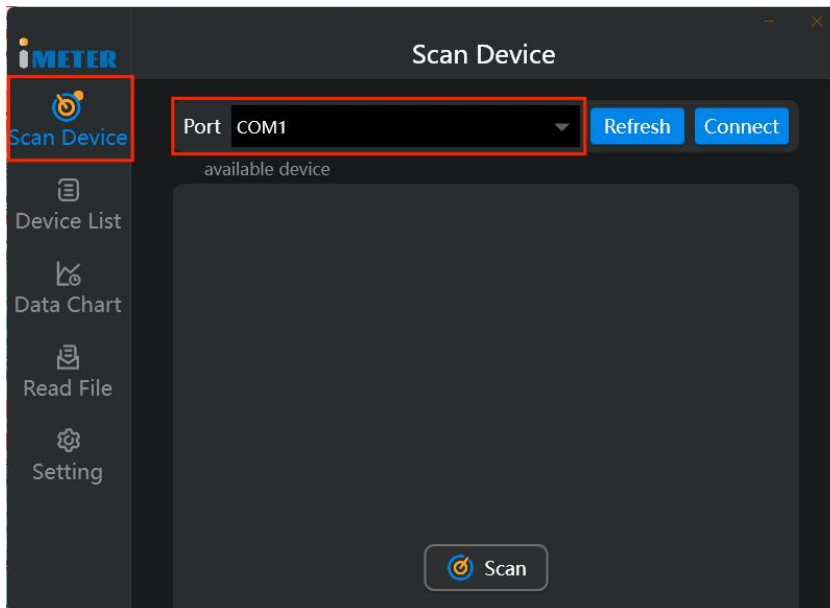
Note:When the multimeter restarts or shuts down, it needs to be reconnected.

- 1、 Insert the Bluetooth module into the computer terminal device.
- 2、 Turn on the multimeter.
- 3、 On the multimeter, press and hold the button with a Bluetooth identifier until

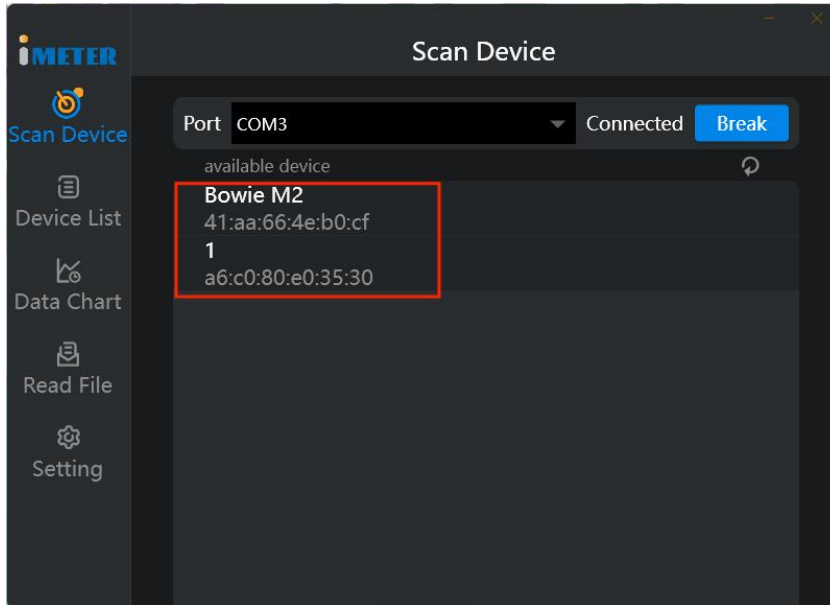
the Bluetooth icon "  " is displayed on the multimeter screen.

- 4、 Open the iMeter APP on your PC device.
- 5、 Click on "**Scan Device**" in the left navigation bar.

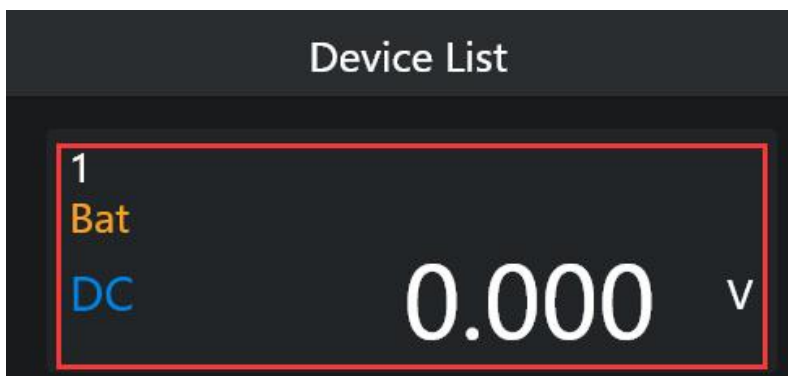
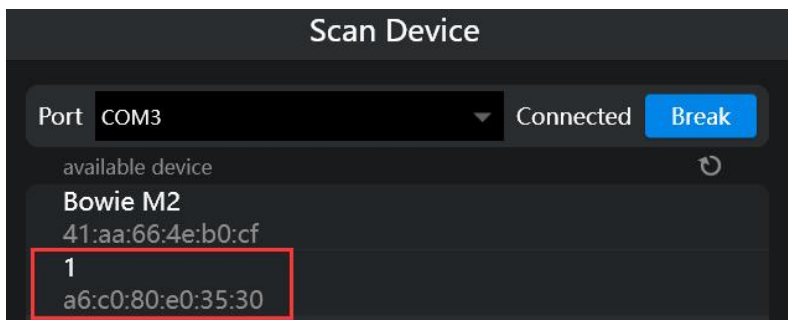
- 6、 Click on the right screen "",switch to the port of the Bluetooth module.If the port is not updated, click "**Refresh**" to update the port.After selecting the corresponding port, click "**Connect**" to complete the switch of port.



7. Click **"Scan"** at the bottom to display available devices.

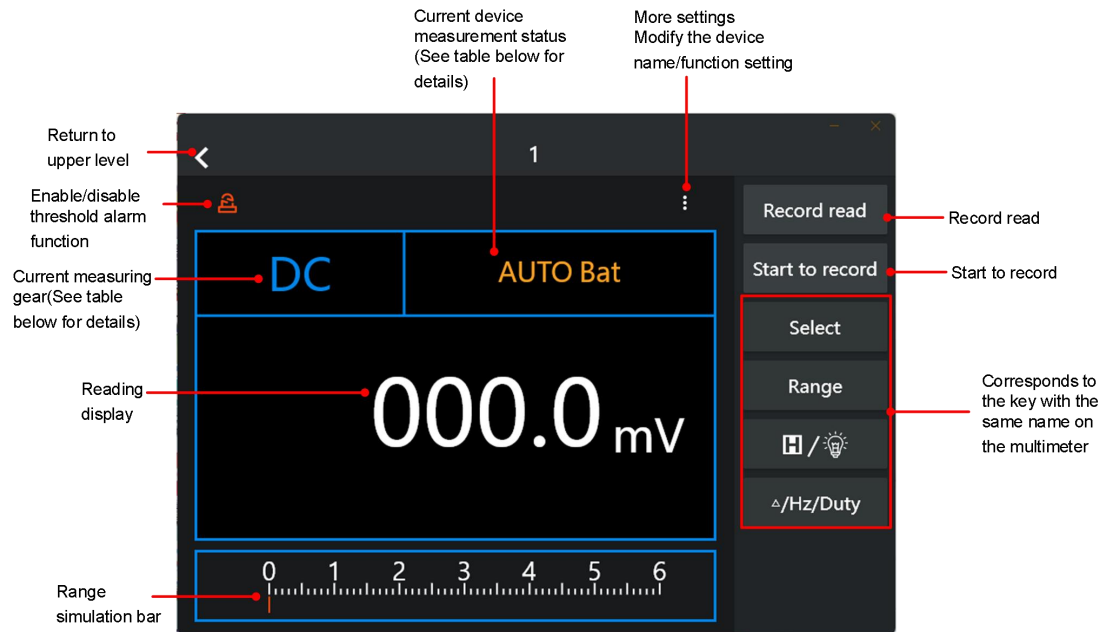


- 8、 Click the found multimeter to connect it to your PC device.
 - After successful connection, the multimeter reading appears in the PC app.



Multimeter controls

- 1、 Click on "**Device List**" in the left navigation bar.
- 2、 Click the device you want to control in the list to enter the multimeter control interface.



Measuring gear comparison table:

Display	Function	Display	Function
DC	DC voltage/current measurement	CAP	Capacitance measurement
AC	AC voltage/current measurement	Hz	Frequency measurement
RES	Resistance measurement	DUTY	Duty cycle measurement
CONT	On-off test	TEMP	Temperature measurement
DIODE	Diode measurement	POWER	Power measurement

Measurement status comparison table:

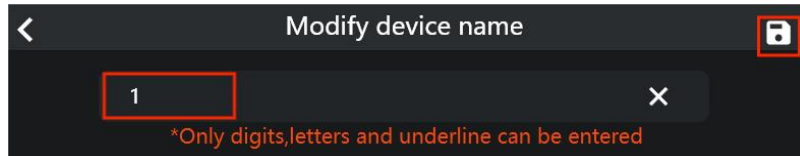
Display	Function	Display	Function
HOLD	Holds or locks the current value	REL	Relative value
AUTO	Automatic measuring range	Bat	Low battery
MAX	Maximum holding	MIN	Minimum holding
RMR	Current value (only B41 model)		

Naming multimeter

Users can customize the display name of the multimeter on the current device. After the modification, the new device name will be displayed when all host computers are connected.

- 1、 Click on **"Device List"** in the left navigation bar.
- 2、 Click the multimeter you want to rename and enter its control interface.

- 3、 Click on the upper right corner of the control interface "⋮", to enter more settings.
- 4、 Click "**Modify device name**" and enter a new name.
- 5、 Click on the save icon "📁" in the upper right corner of the interface to permanently assign the new name to the multimeter.



Setting threshold alarm

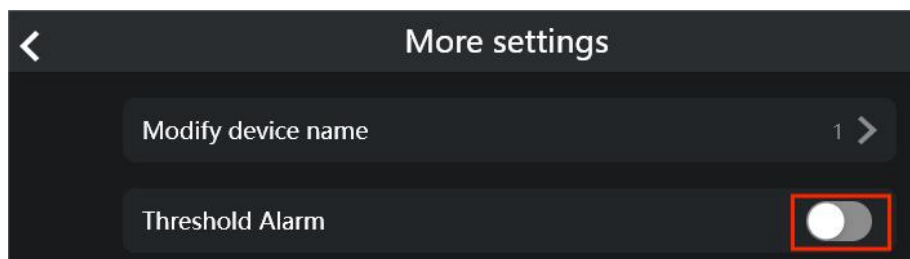
The threshold alarm function is used to monitor and alarm abnormal measurement readings. Users can set the range and alarm mode for each connected multimeter device.

When this function is enabled, the program monitors whether the readings of the corresponding multimeter are within the set range (or outside the range, depending on the alarm mode). If it exceeds the range, an alarm will be triggered.

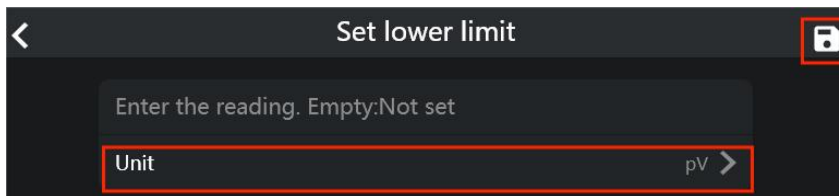
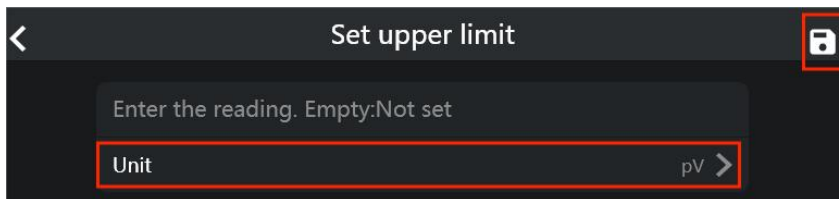
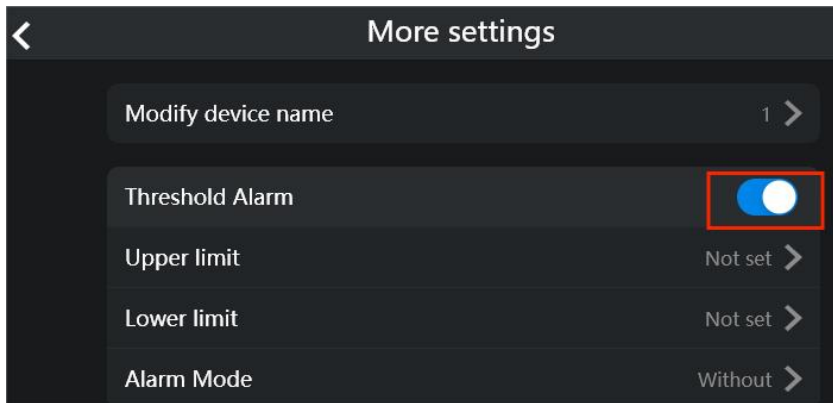
Alarm effect includes alarm sound, and measurement reading text will flash on the interface (including device control interface and device list interface).

1、 Click the shortcut key at the upper of the control interface to turn the threshold alarm on or off.

- 2、 Click on the upper right corner of the control interface screen "⋮", click the "**Threshold Alarm**" switch , turn threshold alarms on or off.



- 3、 Set the upper and lower range limits. Click the **upper/lower** limit setting item in the settings list to set the threshold alarm range. Click "📁" button to save entries.



5、Click on **"Alarm Mode"** and select a range condition:

- **"Within"**: sound alarm if reading falls within the lower and upper limit;
- **"Without"**: sound alarm if reading falls outside the upper or lower limit.

After selecting, click on **"Save"**, the range condition is set.

Description: The upper and lower limits can be set separately without setting both conditions. Here is an example:

Set the upper limits to 1V, the alarm mode is Without: The alarm is triggered when the reading is greater than 1V, and the alarm is not triggered when the reading is less than or equal to 1V;

Set the upper limits to 1V, the alarm mode is Within: The alarm is triggered when the reading is less than 1V, and the alarm is not triggered when the reading is greater than or equal to 1V;

Set the lower limits to 1V, the alarm mode is Without: The alarm is triggered when the reading is less than 1V, and the alarm is not triggered when the reading is greater than or equal to 1V;

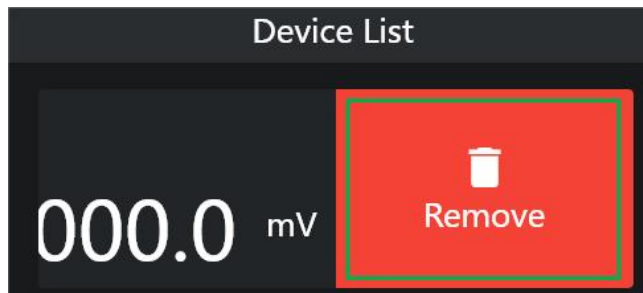
Set the lower limits to 1V, the alarm mode is Within: The alarm is triggered when the reading is greater than 1V, and the alarm is not triggered when the reading is less than or equal to 1V.



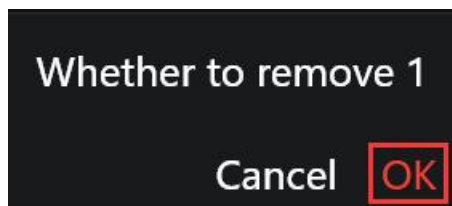
You have set and enabled the threshold alarm and it remains activated until you disabled it or the device is disconnected.

Delete multimeters

- 1、 Click on **"Device List"** in the left navigation bar.
- 2、 In the list of devices, select the multimeter you want to disconnect,hold down the mouse and slide to the left.Click the **"Remove"** button that slides ou.



- 3、 Click on **"OK"** in the pop-up prompt to disconnect the multimeter.



3. Recording offline reading

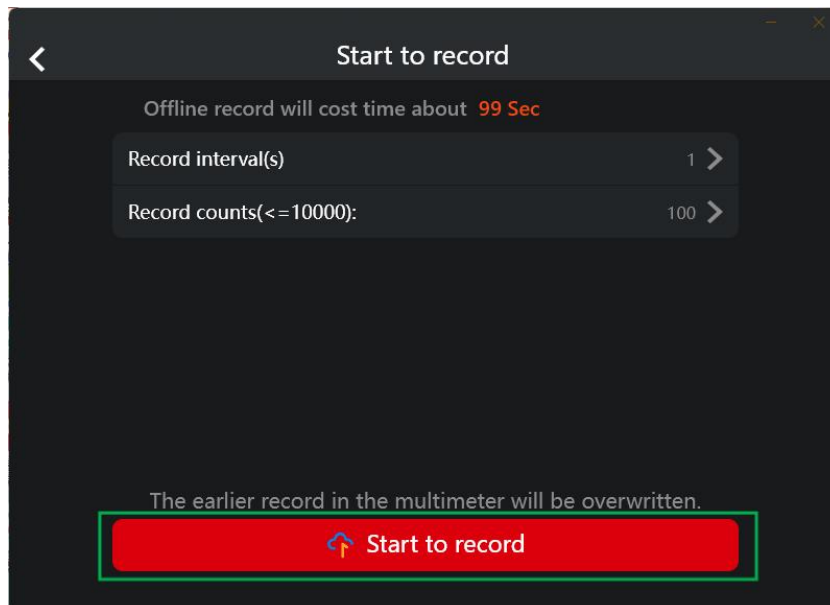
You can record offline readings on the multimeter while the multimeter is disconnected from the PC app. After recording, you can reconnect the multimeter to the PC device and import records into the PC.

Note: If recording is in progress, the multimeter will be disconnected from the computer terminal, you cannot connect the multimeter to the PC app until recording stops.

Start offline recording

- 1、 Click on "**Device List**" in the left navigation bar.
- 2、 Select the multimeter that you want to record the offline readings and enter the device control interface.
- 3、 Click on "**Start to record**", enter the offline recording configure interface.
- 4、 Click on "**Record interval(s)**", click on the right >, enter the recording interval time in seconds in the popped-up input box.
- 5、 Click on "**Record counts(<=10000)**", click on the right >, enter the number of records to be written in the popped-up input box.
- 6、 Click "**Start to record**" at the bottom to start recording offline measurement data.

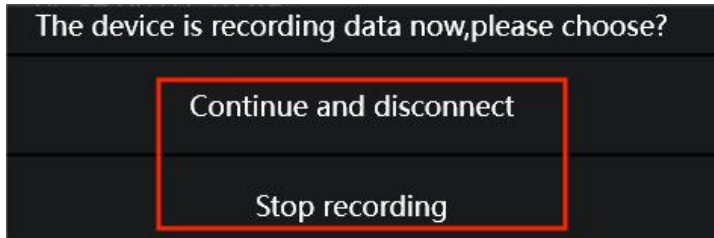
Note: When the offline recording starts, the connection between the multimeter and the computer terminal will be disconnected.



Stop offline recording


There are two ways to stop offline recording:

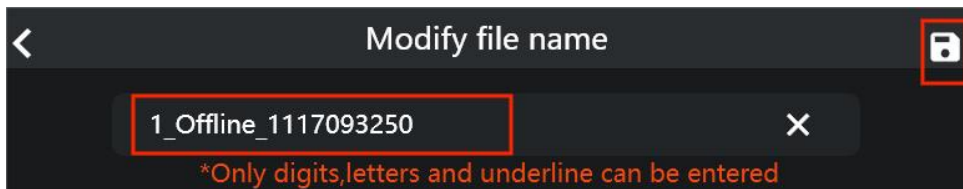
- Stop offline recording by turning off the multimeter;
- After the multimeter and the computer terminal are connected,if the current multimeter is still recording offline, the PC application will pop up a reminder window that the current multimeter is recording offline.The prompt window has two options, "**Continue and disconnect**" and "**Stop recording**", as shown below.



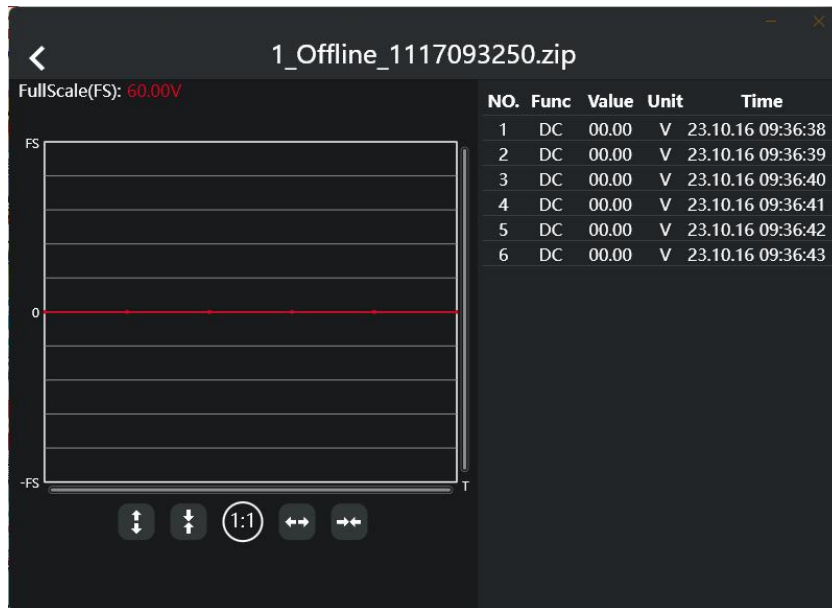
Read offline recording

After offline recording completes,you can transfer the readings from the multimeter to the PC app for viewing and storage.

- 1、 Reconnect the multimeter that has recorded offline data to the PC app.
- 2、 On the screen "**Device List**",click on the multimeter to open its controls screen.
- 3、 Click on "**Record read**" to open the offline record interface.
- 4、 In the reading offline record interface,click on "**Save as:**" can change the file name.Click "" icon in the upper right corner to save the new name.



- 5、 At the bottom of offline record interface,click on "**Read data**" will transfer the records to the PC app.
- 6、 At the bottom of offline record interface,click on "**Display Chart**" to chart the recordings.



4.Data chart

With the charting function, you can chart and tabulate readings. You can chart online readings (under **"Data Chart"**) or recorded readings (under **"Read File"**).

Chart view

1、Click on **"Data Chart"** in the left navigation bar to open the online charting interface.

Save the current reading data

Multimeter range

Pause/start reading

Chart

Clear data

The multimeter being read

FullScale(FS): 60.00mV

Scan Device

Device List

Data Chart

Read File

Setting

Select displayed segment

Select the line segment to display

Expand Y-axis

Contract Y-axis

Reset chart scaling to default

Expand X-axis

Contract X-axis

The multimeter records a list of data

NO.	Func	Value	Unit	Time
1	DC	00.08	mV	23.11.17 09:41:02
2	DC	00.09	mV	23.11.17 09:41:02
3	DC	00.08	mV	23.11.17 09:41:02
4	DC	00.06	mV	23.11.17 09:41:03
5	DC	00.05	mV	23.11.17 09:41:03
6	DC	00.00	mV	23.11.17 09:41:03
7	DC	00.00	mV	23.11.17 09:41:04
8	DC	00.00	mV	23.11.17 09:41:04
9	DC	00.06	mV	23.11.17 09:41:04
10	DC	00.07	mV	23.11.17 09:41:05
11	DC	00.09	mV	23.11.17 09:41:05
12	DC	00.12	mV	23.11.17 09:41:05
13	DC	00.08	mV	23.11.17 09:41:05
14	DC	00.07	mV	23.11.17 09:41:06
15	DC	00.07	mV	23.11.17 09:41:07
16	DC	00.06	mV	23.11.17 09:41:07
17	DC	00.05	mV	23.11.17 09:41:07

2、 The full scale on the chart is set according to the measuring range of the current multimeter. The following pictures all measure about 5 volts, but the scale of the drawing will be different under different ranges.

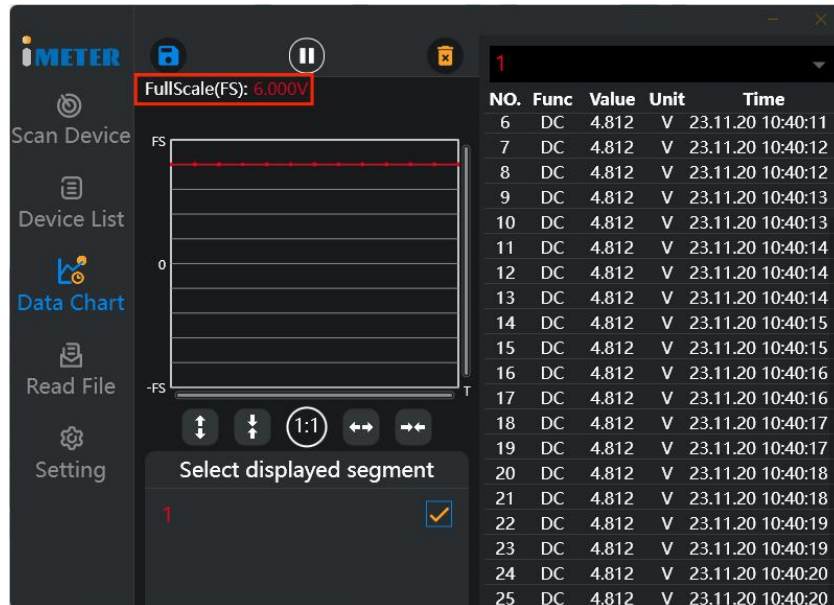


Figure 1

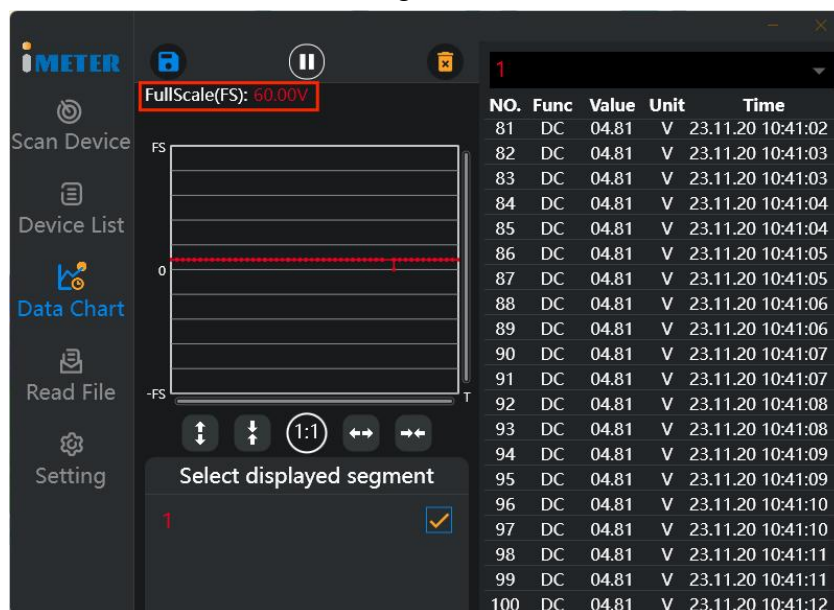


Figure 2

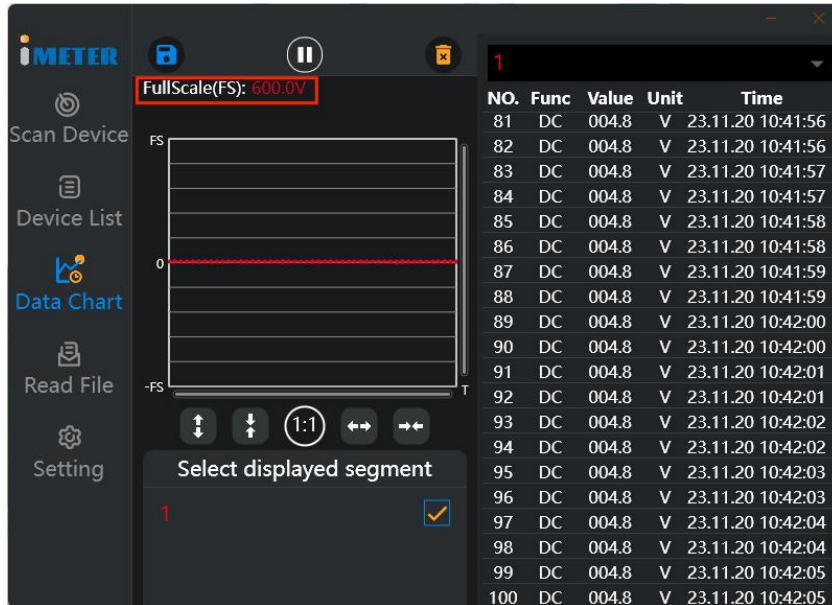


Figure 3

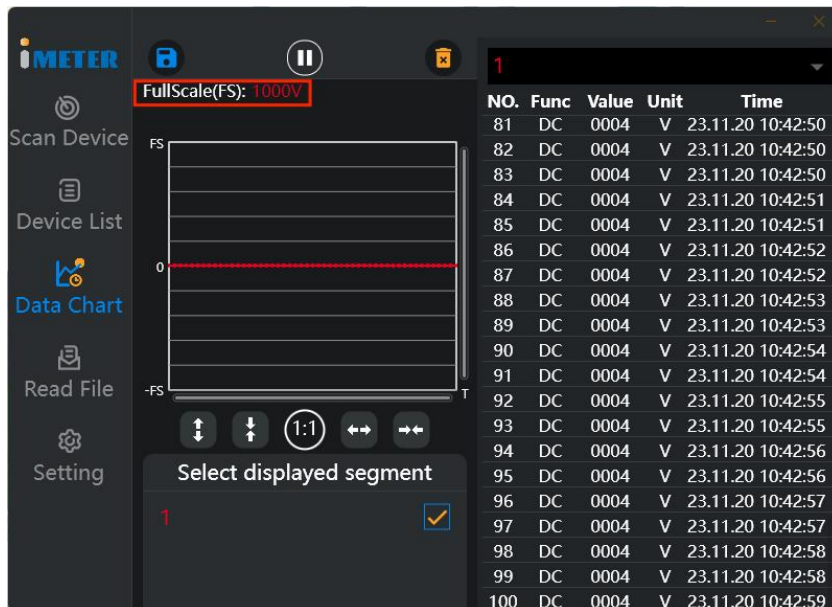


Figure 4

Note: In the example, demonstration with 6000 reading multimeter. Observe the position of the decimal point following the reading after FullScale at the top, as well as the position of the decimal point in the reading table below..

- Figure 1: The reading is 4.812V, the decimal point comes before the second place in the reading. Adding a decimal to the second digit of 6000 gives a full scale of 6.000V.
- Figure 2: The reading is 04.81V. Adding a decimal to the third digit of 6000 gives a full scale of 60.00V.
- Figure 3: The reading is 004.8V. Adding a decimal to the fourth digit of 6000 gives a full scale of 600.0V.
- Figure 4: The reading is 0004V, there's no decimal point. In this case, the full scale value should be 6000. However, the multimeter used in this

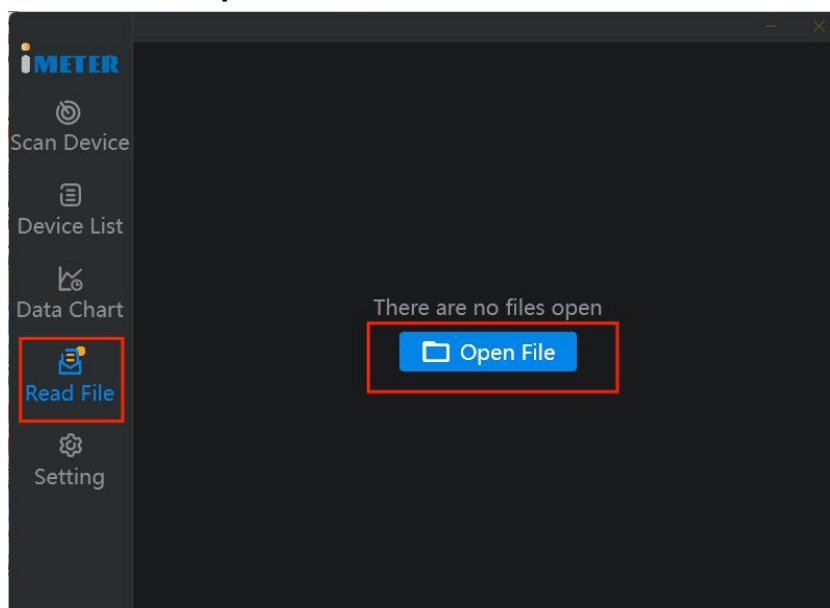
example can only measure up to 1000V at most, so the full scale is shown as 1000V.

- (4) To display the appropriate line chart on the chart, it is necessary to select the appropriate measurement range or select the automatic range. For example, if 12V voltage is to be measured, a range of 60.00V should be selected to ensure proper scaling of the chart.
- (5) The range shown on the chart is determined based on the maximum range measured in the record. For example, if 2.000V is initially measured, the full scale on the chart will be 6.000V. If the subsequent measurement of 12.00V exceeds the 6.000V range, the range is automatically changed to 60.00V. If a larger voltage is measured later, the multimeter automatically switches to a larger range when the measurement exceeds the current range.
- (6) If you have finished measuring the higher voltage and now want to measure the lower voltage and reset the range of the chart to a smaller value, you can click the delete icon "✕" in the upper right corner to clear the previously recorded data. When the instrument receives new data with smaller measurements, the range is adjusted accordingly.

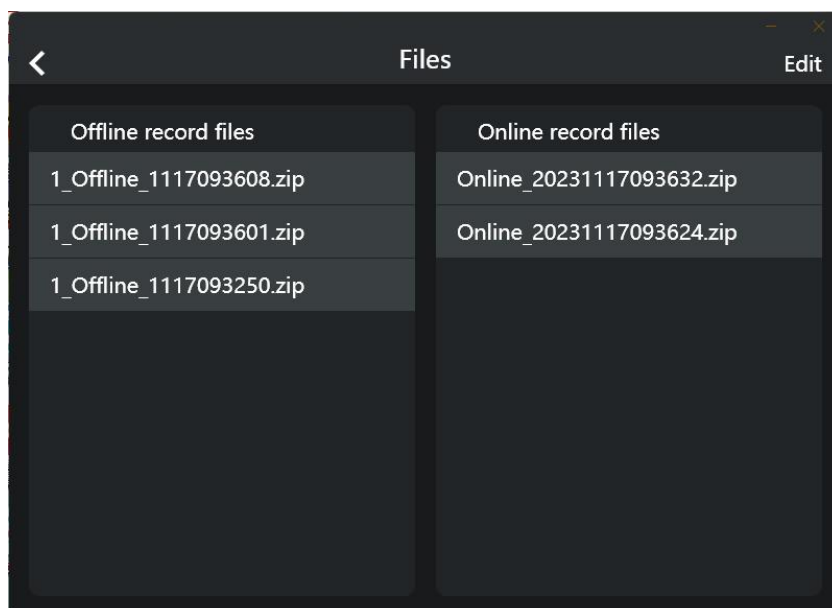
5. Read file

Files that are recorded and saved, and can be edited and opened by file reading. The files that can be read through files are offline data files and online data files.

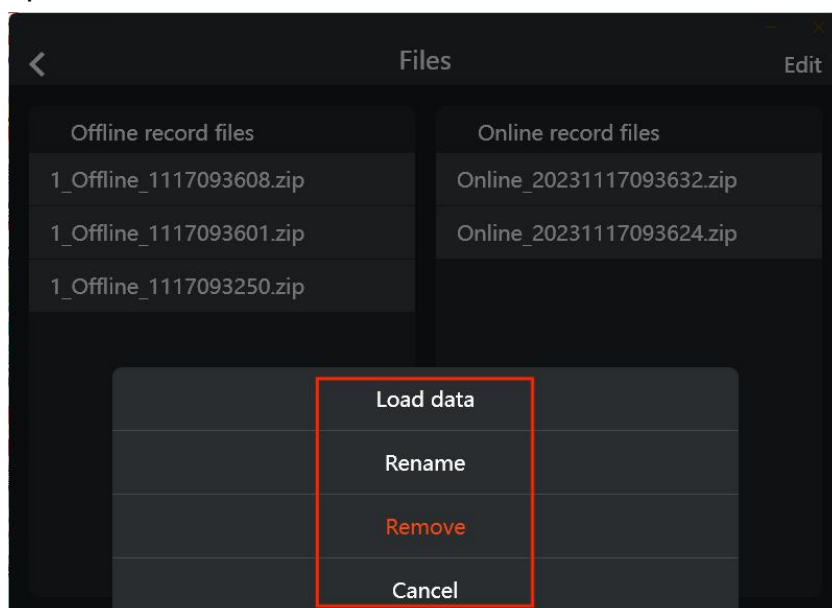
- 1、Click on **"Read File"** in the left navigation bar.
- 2、Click on **"Open File"**.



3、 Enter the saved **"Files"** interface.



- Select the data file as desired (offline record file & online record file), select **"Online record files"** as an example, the steps are as follows:
 - 1、 In the list of **"Online record files"** in the local file interface, click the required file to open the data file operation menu. You can perform the following operations on the data file: Load data, Rename and Remove.



Load data

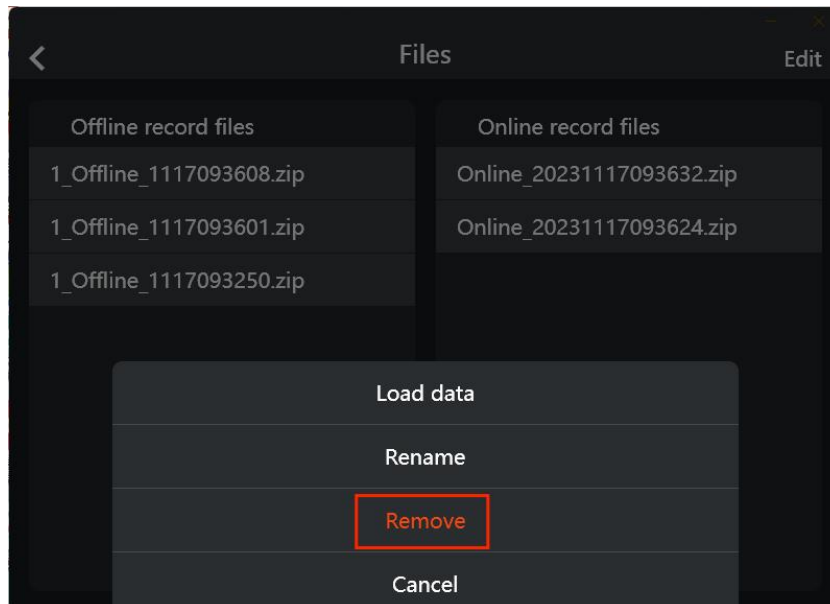
- 1、 Click on **"Read File"** in the left navigation bar.
- 2、 Click on **"Open File"**.
- 3、 Select **"Offline record files"** or **"Online record files"**, and then click on **"Load data"** in the file menu.

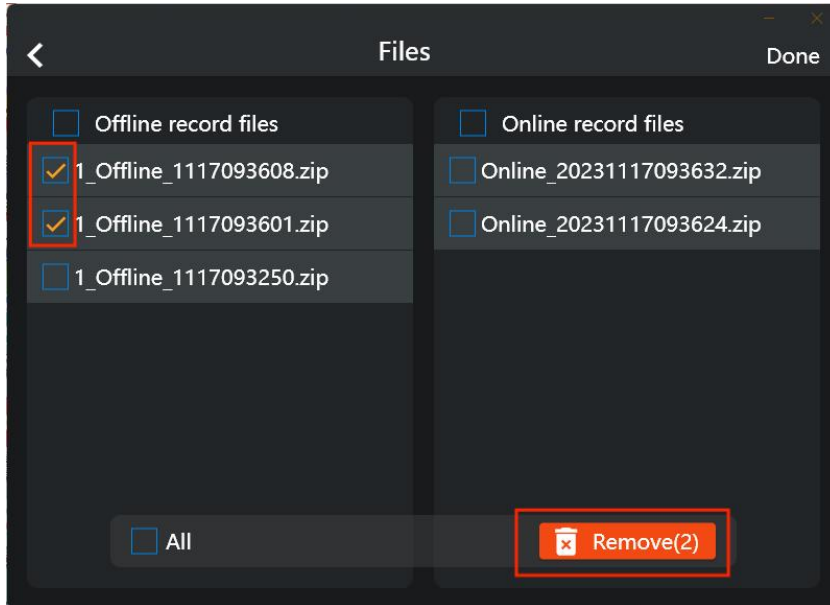
Rename file

- 1、 Click on **"Read File"** in the left navigation bar.
- 2、 Click on **"Open File"**.
- 3、 Select **"Offline record files"** or **"Online record files"**, and then click on **"Rename"** in the file menu, customize the file name as desired.

Delete recording

- 1、 Click on **"Read File"** in the left navigation bar.
- 2、 Click on **"Open File"**.
- 3、 Select **"Offline record file"** or **"Online record file"**, and then click on **"Remove"** in the file menu. Or click on **"Edit"** in the upper right corner, select multiple file and click on **"Remove"**.
- 4、 Click the prompt to confirm deleting the file.

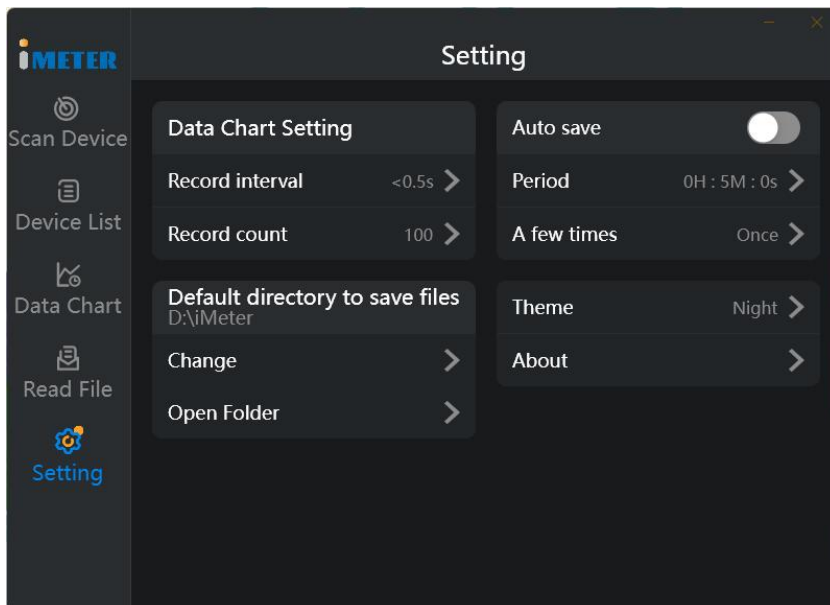




6.Function setting

Set online record interval and count

1、 Click on **"Setting"** in the left navigation bar.



2、 Under **"Data Chart Setting"**,click **"Record interval"** to set the interval between two consecutive records in the data chart interface.For example: Setting 1s, the minimum interval between each data chart record is 1 second.Click on **"Save"** to finish setting.

3、 Under **"Data Chart Setting"**,click **"Record count"**,click to set the maximum number of data records for each connected multimeter on the data chart interface.Click on **"Save"** to finish setting.


Note:When the number of recorded data reaches the configured number of records, the earliest data will be deleted while the subsequent new data is added.

Save online data record

You can record online readings by outputting them to a file while the multimeter is connected(online) to the PC app.

Recording online data manually


- 1、 Click on "**Data Chart**" in the left navigation bar.
- 2、 Control recordings:

- Click on the button "",save the measurements to a local file and delete the saved data on the screen.



- Click on  /  button to Start/Pause recording.



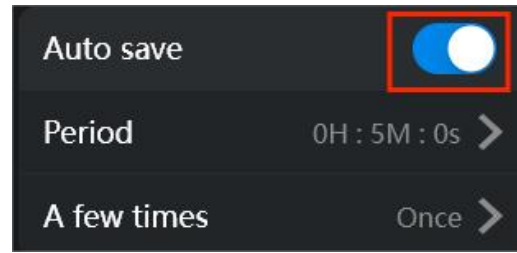
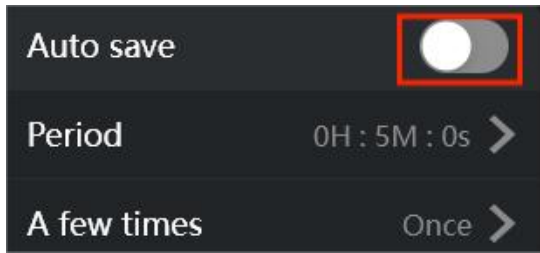
- Click on the button "",the measurement data will be cleared from the screen.



Recording online data automatically

Before turning on automatic recording of online readings,first, set the parameters of "**Period**" and "**A few times**" according to the need.Otherwise, after the automatic storage function is enabled, it will not be set.

- 1、 Click on "**Setting**" in the left navigation bar.
- 2、 Click on "**Period**", set the interval time for data chart records to be saved to the file and then click on "**Save**".
- 3、 Click on "**A few times**",set the storage counts for data chart records to be saved to the file and then click on "**Save**".
- 4、 Click on "**Auto save**" slide to open or close the automatic storage function.



When you enable the automatic storage function, online records are automatically saved to a file;

When the number of storage reaches the set number of times, the automatic storage function will be turned off by itself. Meanwhile, if all the multimeters to which the app is connected are disconnected, automatic storage will turn itself off.

Save long data to file

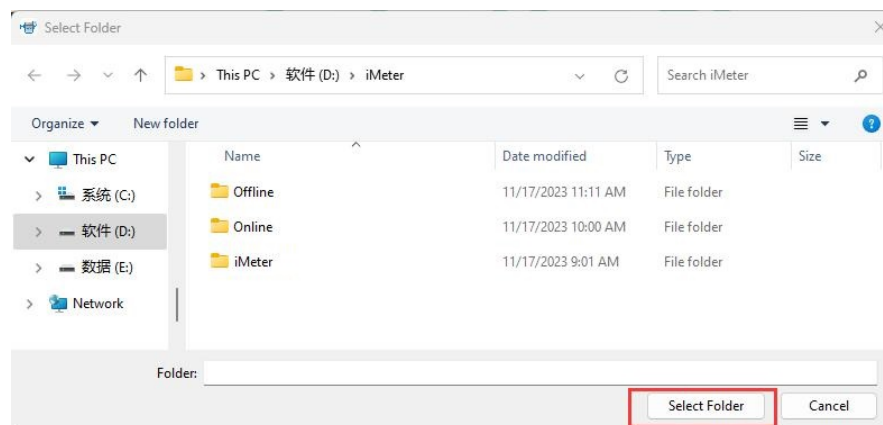
Because a single multimeter device can only save 3000 real-time data, when you need to save more than this limit, you can use the automatic saving function to achieve.

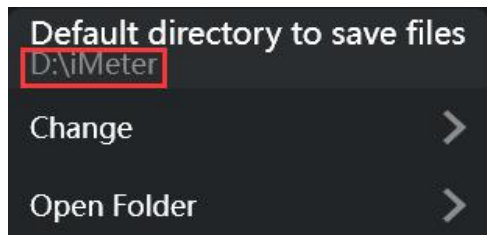
Assuming that the real-time data recording interval of the current configuration is 1s and the number of records is 3000, it will be full of data after 50 minutes. If you want to save 30,000 entries, you can configure the following to store them automatically:

- 1、 Set the period to 0H: 50M: 0s
- 2、 Set the few times to 10.
- 3、 Click on **"Auto save"** to open the function. As long as the multimeter device is connected, 30,000 pieces of real-time data can be stored in 10 files. You can read or share each file independently.

Set the file save location

- 1、 Click **"Change"**, select the location of the file to be saved, click **"Select Folder"**, save the settings.

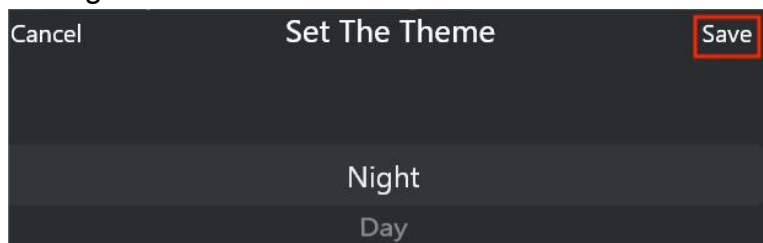




2、 Click **"Open Folder"** to open the required "offline record files" or "online record files" from the file saving location.

Set the theme

Click to select display theme as **"Night"** or **"Day "**, click **"Save"** to finish setting.



About

Click to view information about the application.