TriBrer®

Mini OTDR

O3

User Manual



• WARNING:

Any undefined change or modification of this manual will deprive you of the right to operate the equipment. To reduce the risk of fire or electric shock, do not expose the equipment to rain or humidity. To prevent electric shock, please do not open the shell, and it must be repaired by qualified personnel. Please ensure no signal in fiber before testing, active fiber may damage the device and not in warranty range.

• NOTE:

As the laser is harmful to the eyes, don't look directly at the laser outlet and don't attempt to disassemble the cabinet.





• PRECAUTIONS FOR USE

Using the battery:
The device can be recharged with a special battery, and cannot be mixed with different types or capacity batteries.
Avoiding condensation:
Sudden changes in temperature should be avoided. Do not use the device immediately after moving the device from the cold area to the hot area, or when the room suddenly heats up, because the device may have condensation phenomenon. If the temperature changes abruptly, stop using it and take out the battery, and the power can be switched on after at least an hour.
Storage:
When the device is not used for a long time, please take out the battery to avoid the damage caused by battery leakage.

※ The manual is for reference only; All operations are subject to the physical device.


OTDR/OLS
LED light
OPM
VFL
TriBrer
18:00
OTDR
Filename:*
Y 6.0dB/div
7.0393km
14.127dB
B
A
3.55157km
15.227dB
1
2
X 1.2km/div
A-B: 3.48774km 1.100dB 0.315dB/km
No. Dis.(km) Loss Ref. dB/km C.Loss
1 0.00000 0.000 -44.373 --.-- 0.000
(3.06645) 0.972 ---.--- 0.317 0.972
2 3.06645 0.262 -41.239 --.-- 1.234
(4.05201) 1.284 ---.--- 0.317 2.518
Average measure
3.5 inch touch LCD
Home—back to main menu

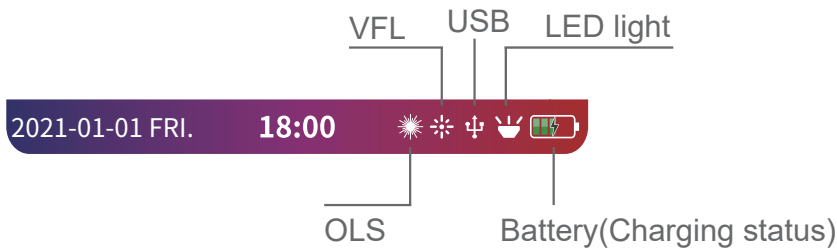

LED light
OPM
OTDR/OLS
VFL
Power Button
Type-C
Charging & Data
Charging Indicator
VFL
On/Blink/Off
LED ON/OFF

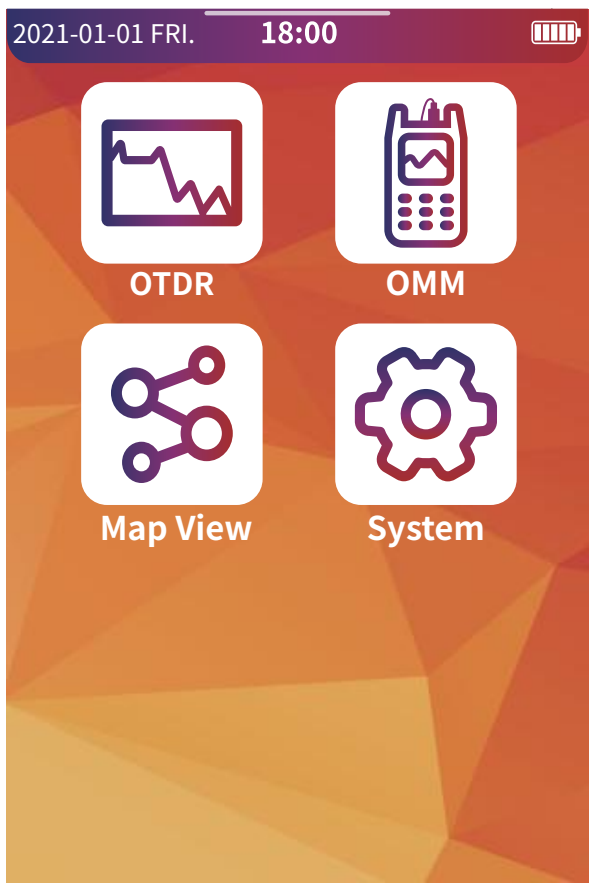
Main Menu

After booting, the main menu shows in default.

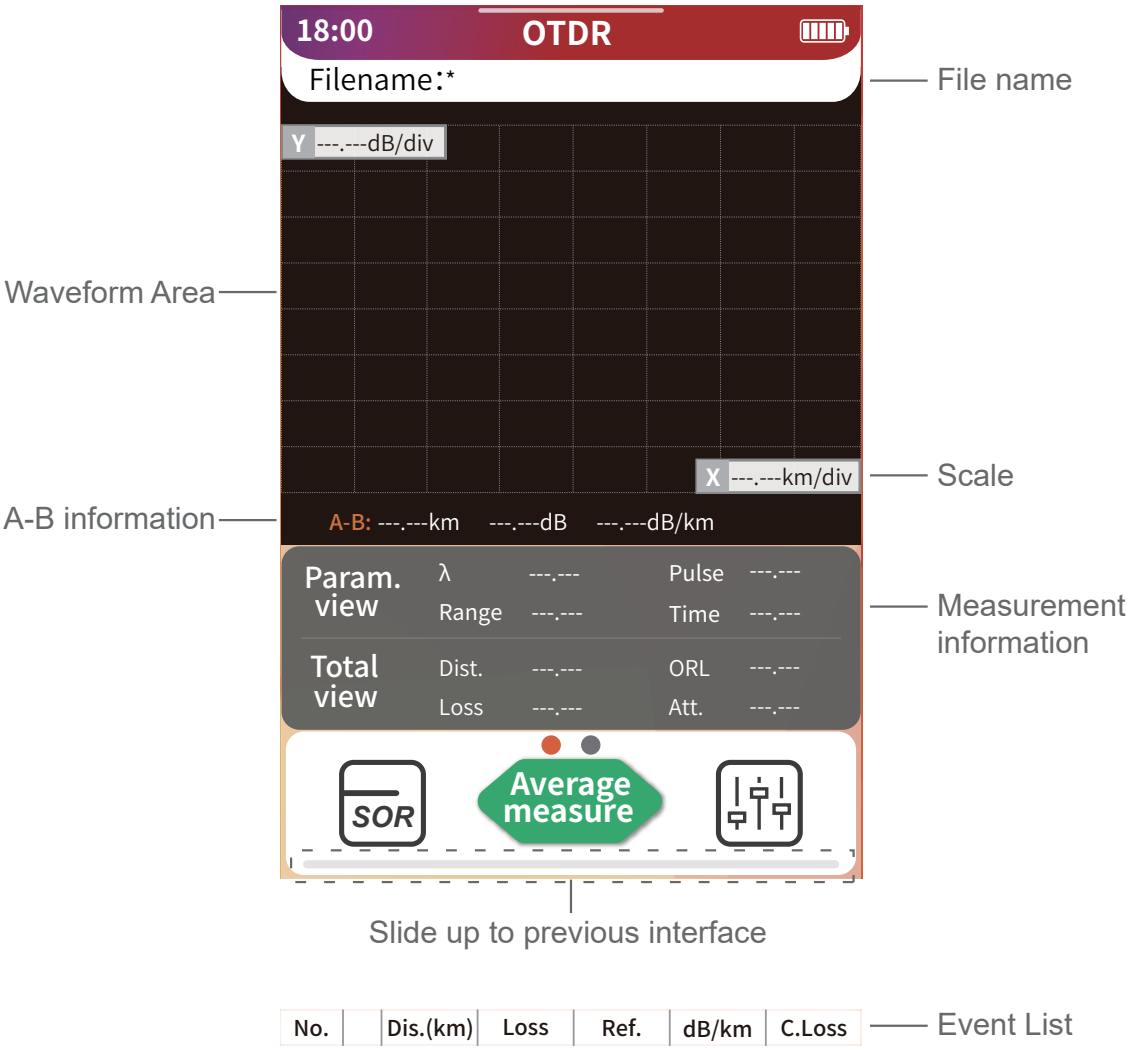
Tap the function module to the corresponding interface.

Status Bar: Display in the upper right corner when the corresponding function turns on.





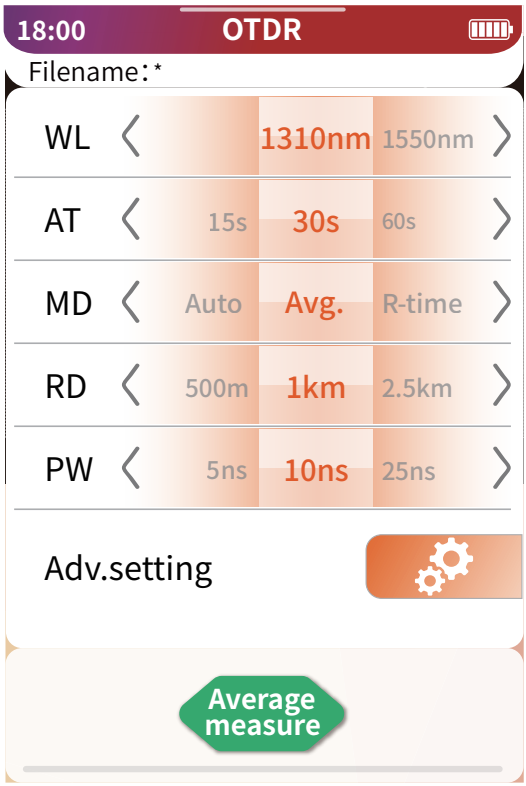
Tap "  " in the main menu to enter into OTDR testing interface. Left/right slide to switch the measurement information and the event list interface.





Tap "  " to enter OTDR settings interface, and " Average measure " to test under current settings.

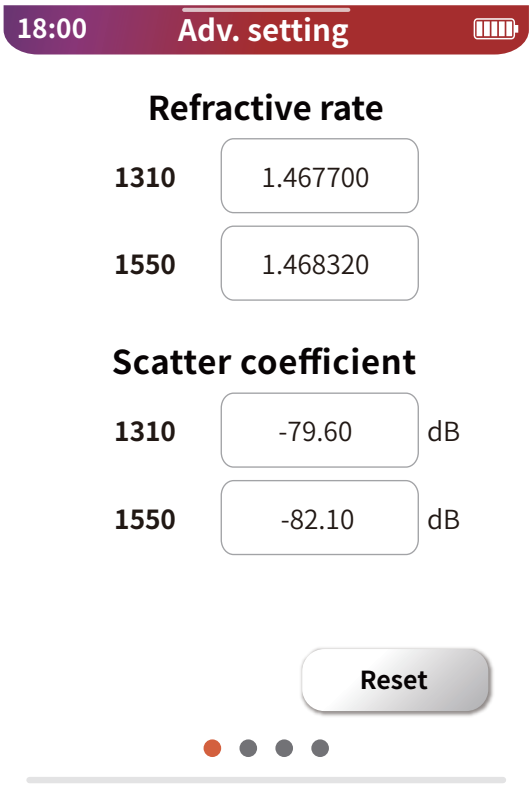
User can tap " Stop measure " to stop the testing during the measurement.

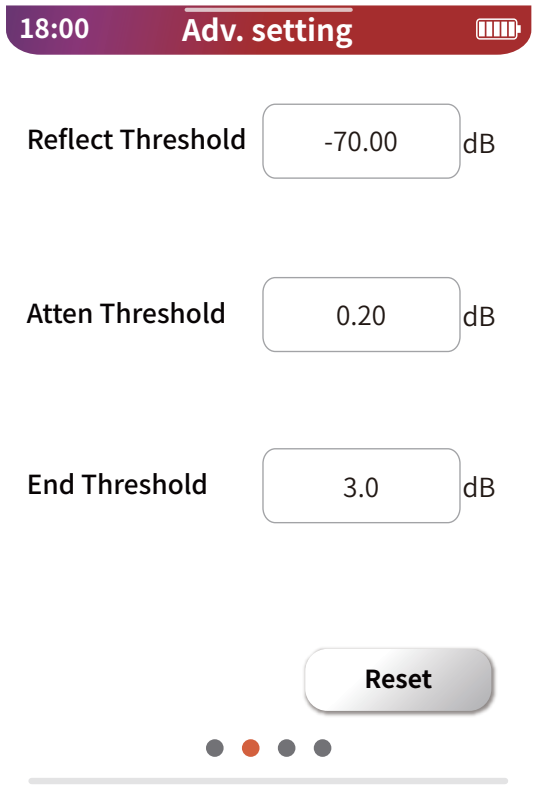




Tap "  " to enter the " Advanced Settings " interface, and left/right slide to switch the interface.

Tap corresponding box to edit the parameters.



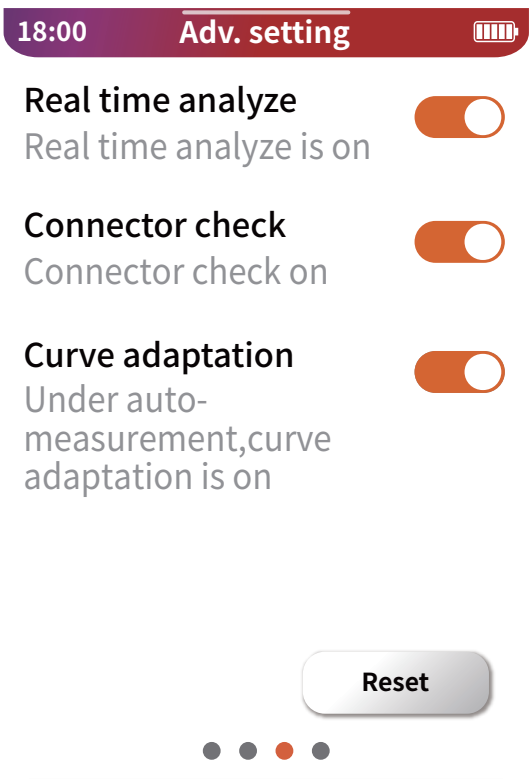


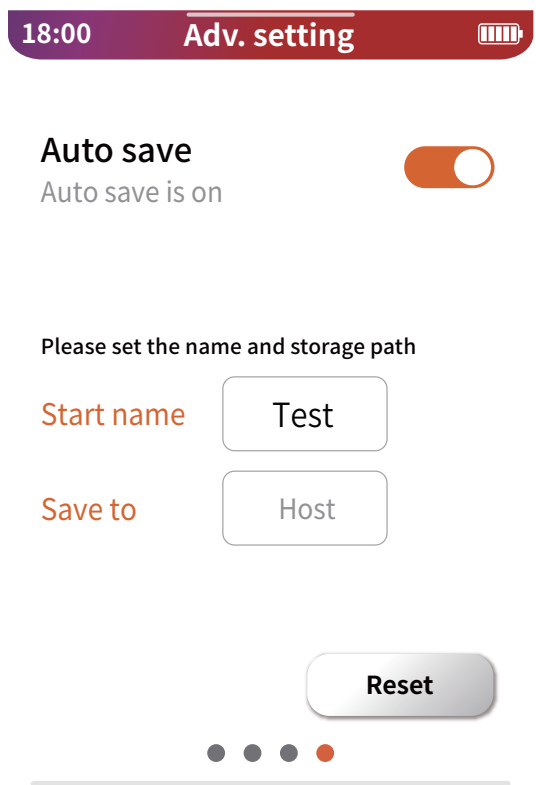
Tap to turn on/off the corresponding functions.

Real time analyze ON: Do average measurement again to analyze the result after real-time measurement.

Connector check ON: When testing, if the connector is dirty, it will prompt and suggest cleaning and re-test.

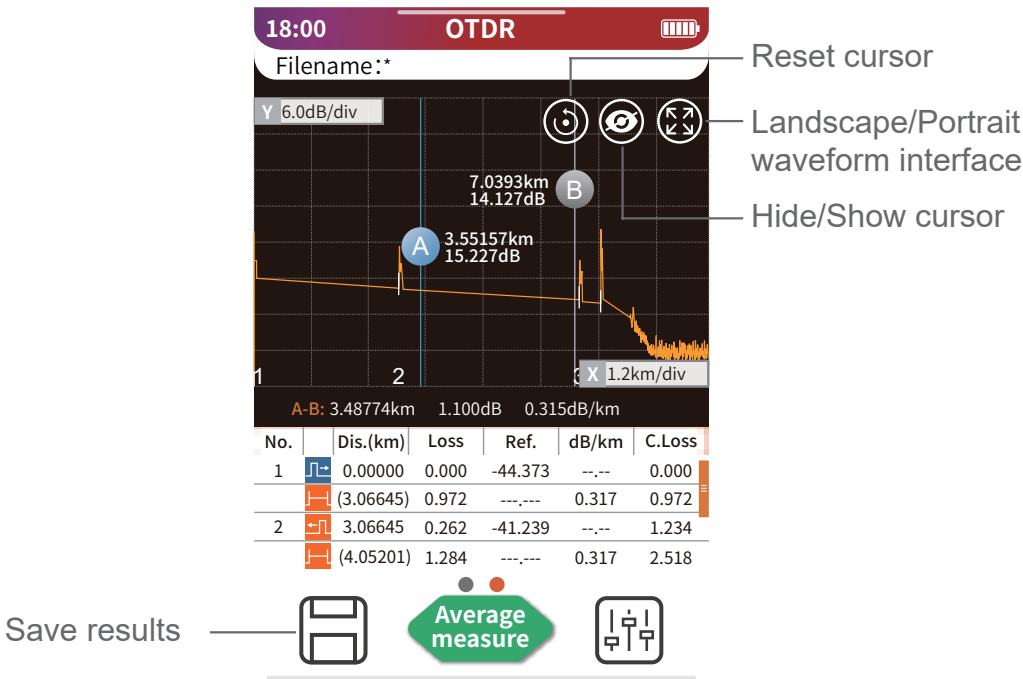
Curve adaptation ON: Enlarge the curve to a reasonable size after testing for easy analysis.



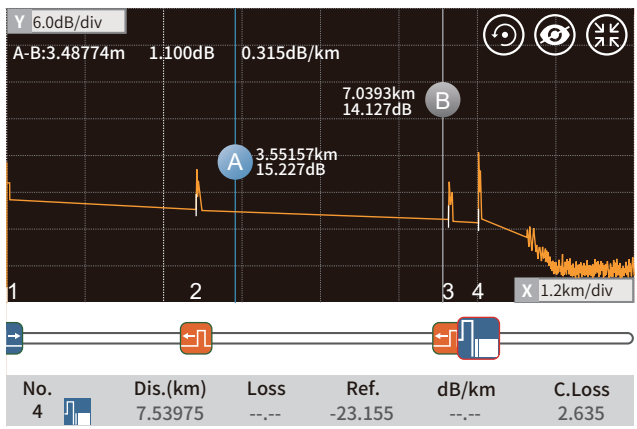


After testing or opening the saved sor. file, it will display the measurement information and event list of current waveform.

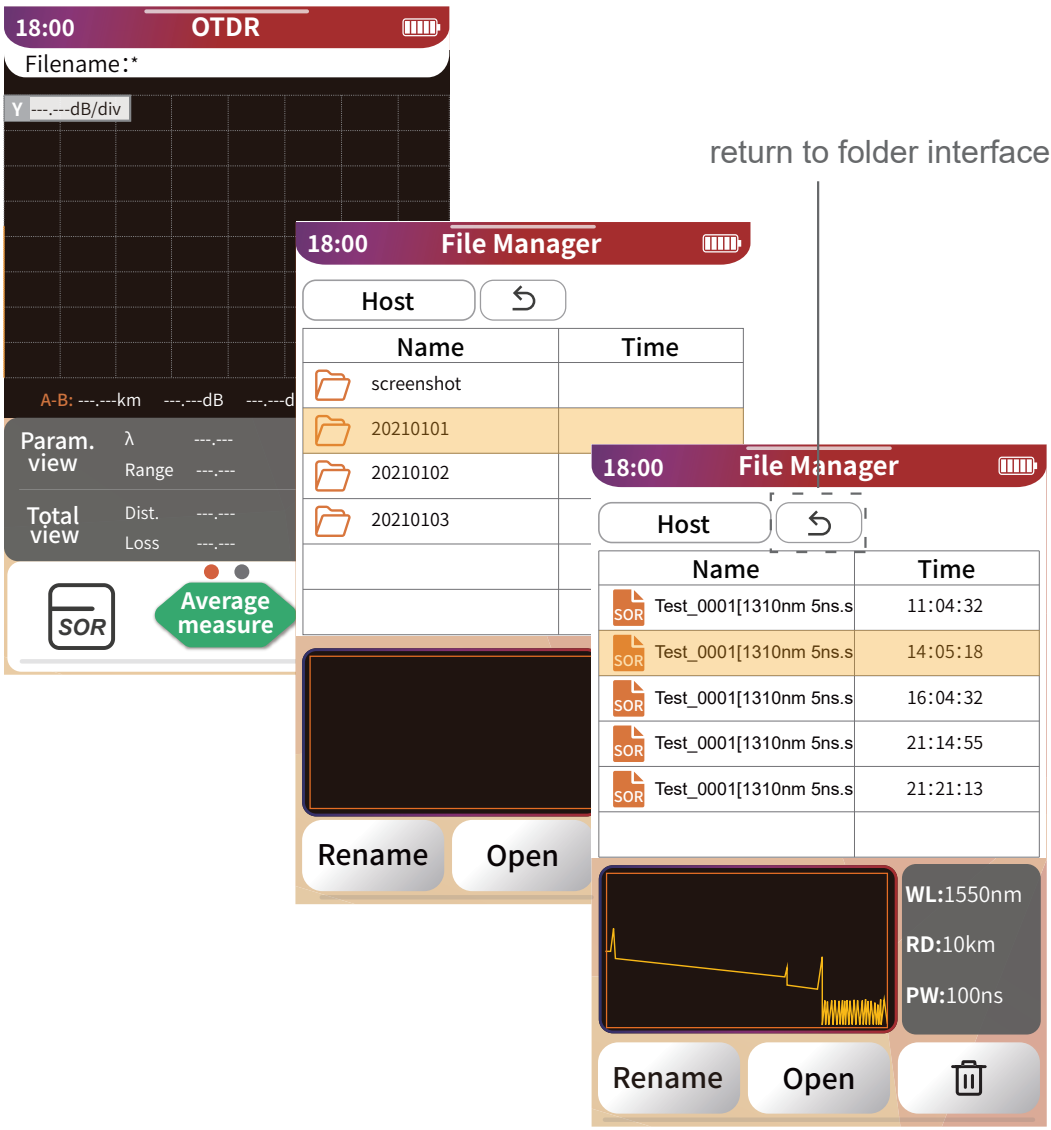
The waveform can be zoomed in/out by fingers, and double click to back to the original.



Landscape waveform interface



Tap " SOR " to enter the " File Manager " interface, select a folder or sor. file to rename, open or delete. When selecting a sor. file, the waveform thumbnail will be displayed at the bottom.



1 —— Location of each event

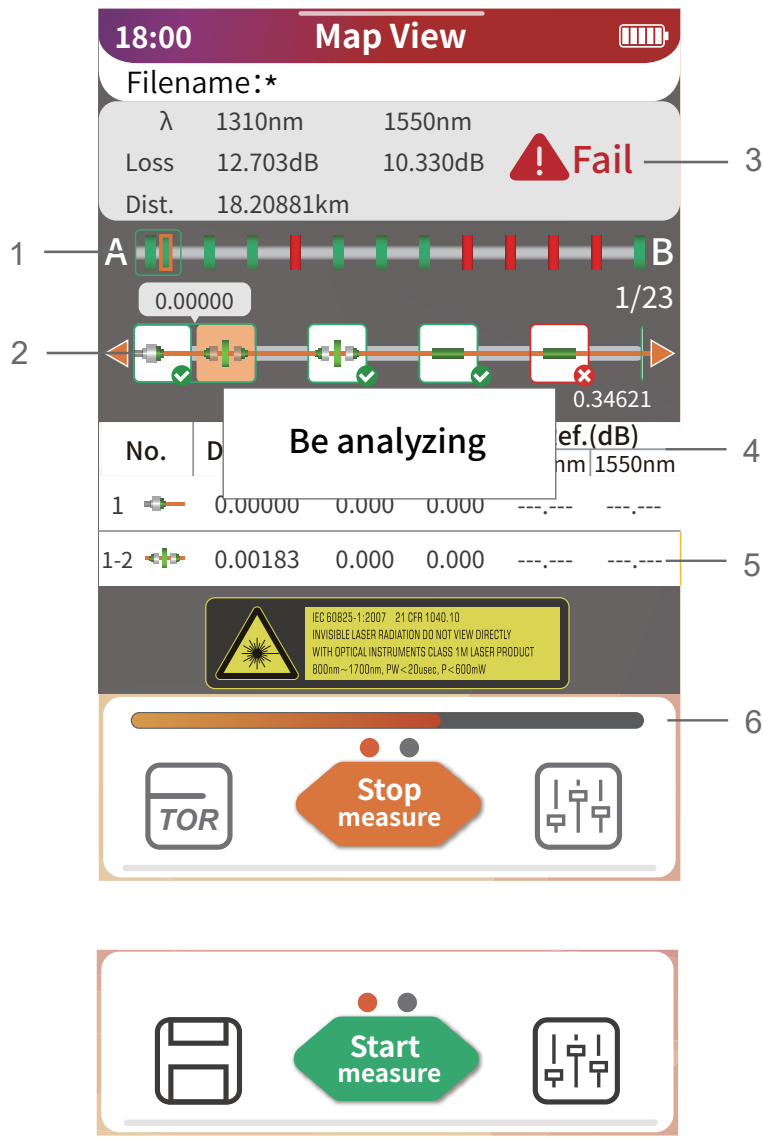
2 —— Events and distance between events

3 —— PASS/FAIL

4 —— Event list

5 —— Details of selected event

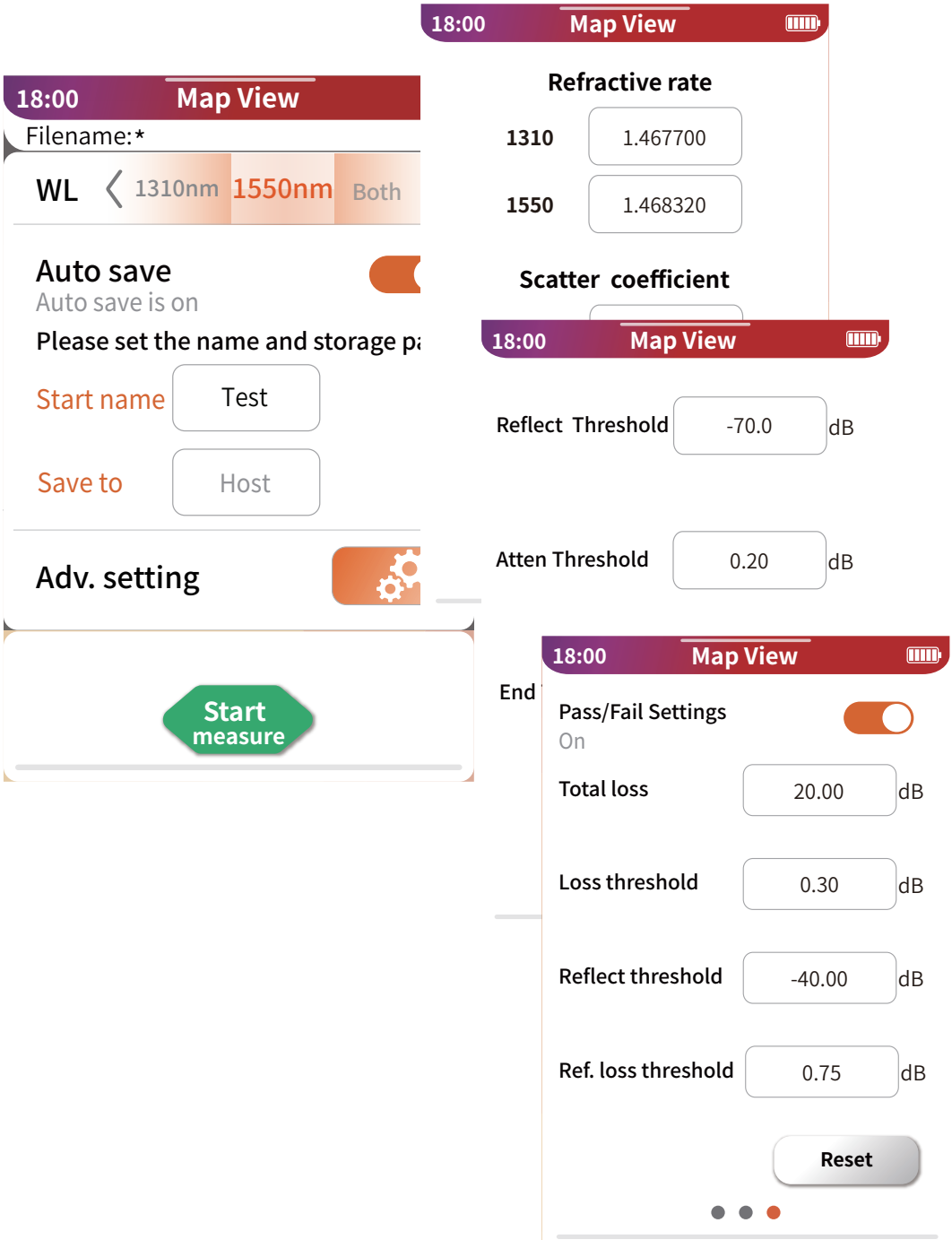
6 —— Measurement status



Map View-Settings

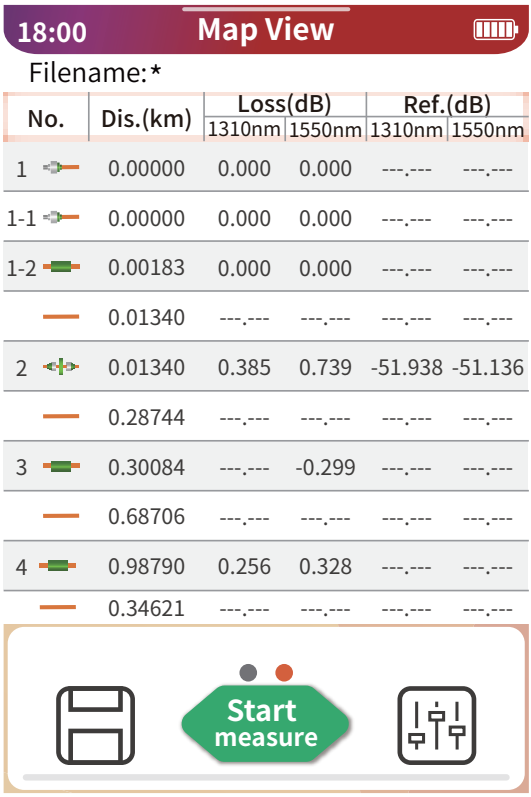
In Map View interface, tap " " to enter the settings interface. And tap " " to advanced settings interface, then left/right slide to switch the interface.

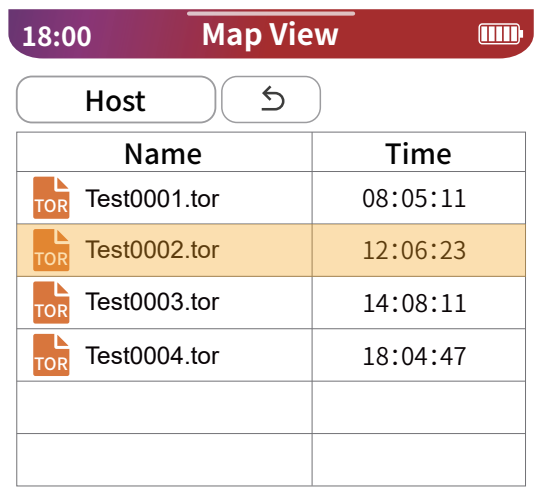
Tap corresponding box to edit the parameters.



After testing, left slide to check event list, and tap " " to save the data.

If no testing, tap " TOR " to enter the file manager interface to select a folder or tor. file to rename, open or delete.



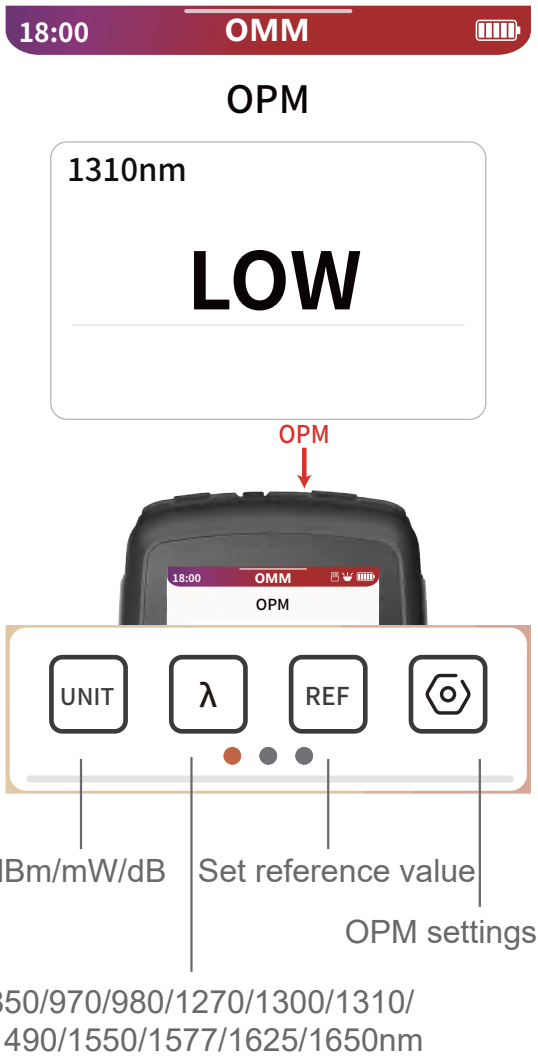


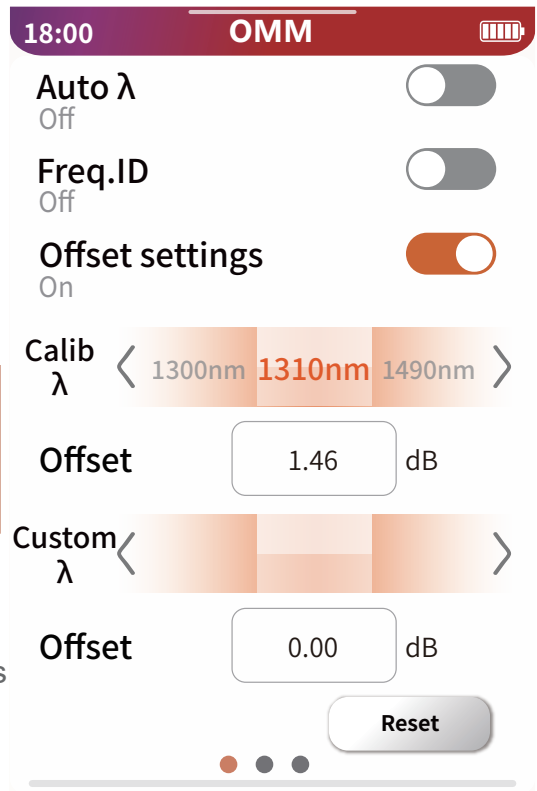


Tap "  " to enter OMM functions, and slide to switch OPM/VFL/OLS function.

In OPM interface, tap "  " to enter the OPM settings interface.

- Auto λ: Auto identify and switch to the same wavelength as connected laser source(with WAVE ID function)
- Freq. ID: Turn ON/OFF to identify the frequency or not.
- Offset settings: Manual calibration for each wavelength (-5.00~5.00dB) (If set, the corresponding wavelength will turn to green in OPM interface)



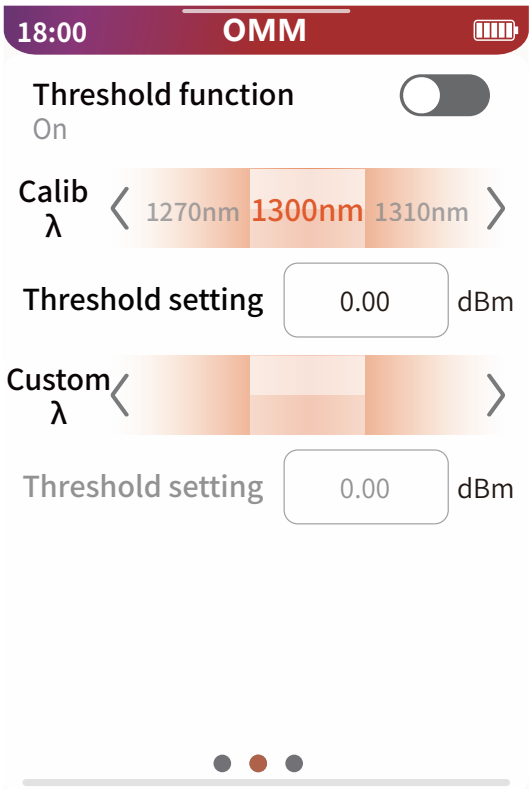


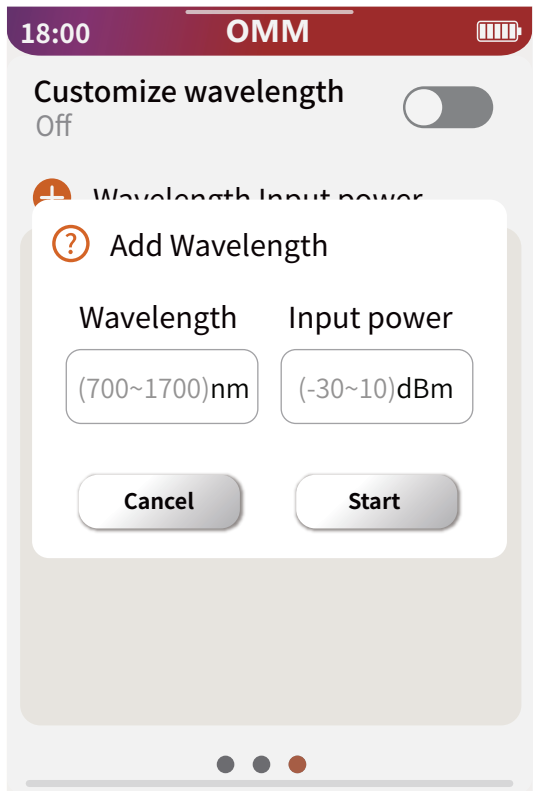
- Threshold function: Set threshold for each wavelength(-50~30dBm)

In OPM interface, if the tested value is lower the threshold, it will show in red, otherwise black.

- Customize wavelength: User can add wavelength as required among range 700-1700nm

Tap " " to add wavelength and input its power value.





Press VFL button on the right of the device to switch VFL On/Blink/Off.

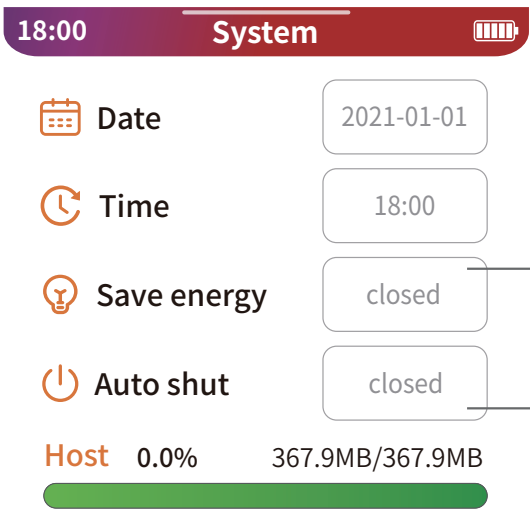
Or in VFL interface, tap "  " to switch VFL On/Blink/Off.

Tap " " to switch modulation signal: CW, 270Hz, 1kHz, 2kHz, 1kHz+Blink, 2kHz+Blink.



Tap "  " in the main menu to enter system settings interface.

Left slide to enter " About " interface to check language and version info.



If no operation, the backlight will be reduced after the set time (Closed/30s-10min).

Set the time (Closed/10-120min) for auto power off.

Tap to clear all files in the selected device.

Slide down to navigation bar:

Insert the U-disk and tap to light the icon, then U-disk files can be checked in the device.

Connect to PC and tap to light the icon, user can check and transfer the files to PC while charging.

Tap to turn on/off buzzer.

Tap to take a screenshot, and auto-save it to " Screenshot " folder in the device.

Left/Right slide to adjust the backlight.

