

1. Enable Axial Length function.

The image shows a Windows File Explorer window with the path `<< OCT >> src >> work >> OCT-9000 >> build >> Release`. The file `UserConfig.ini` is selected and highlighted with a red box. A callout bubble points to it with the text "Open UserConfig.ini file".

The `UserConfig.ini` file is open in Notepad, showing the following configuration:

```
idNumberLen=5
dateFormat=0
[Measure]
startMeasMode=1
autoTracking=1
autoShoot=0
autoScan=0
autoSPupil=1
fundusPreset=0
externFixation=1
fundusImageRange=0
smallPupilGuide=1
pupilSizeText=1
sl
sl
octNFundusMeasType=2
enableAxialLength=1
[ScanPattern]
startScanDomain=0
defaultMacular=4
defaultDisc=2
defaultAnterior=1
```

The line `enableAxialLength=1` is highlighted with a red dashed box, and a callout bubble points to it with the text "Set 'enableAxialLength' option to '1'".

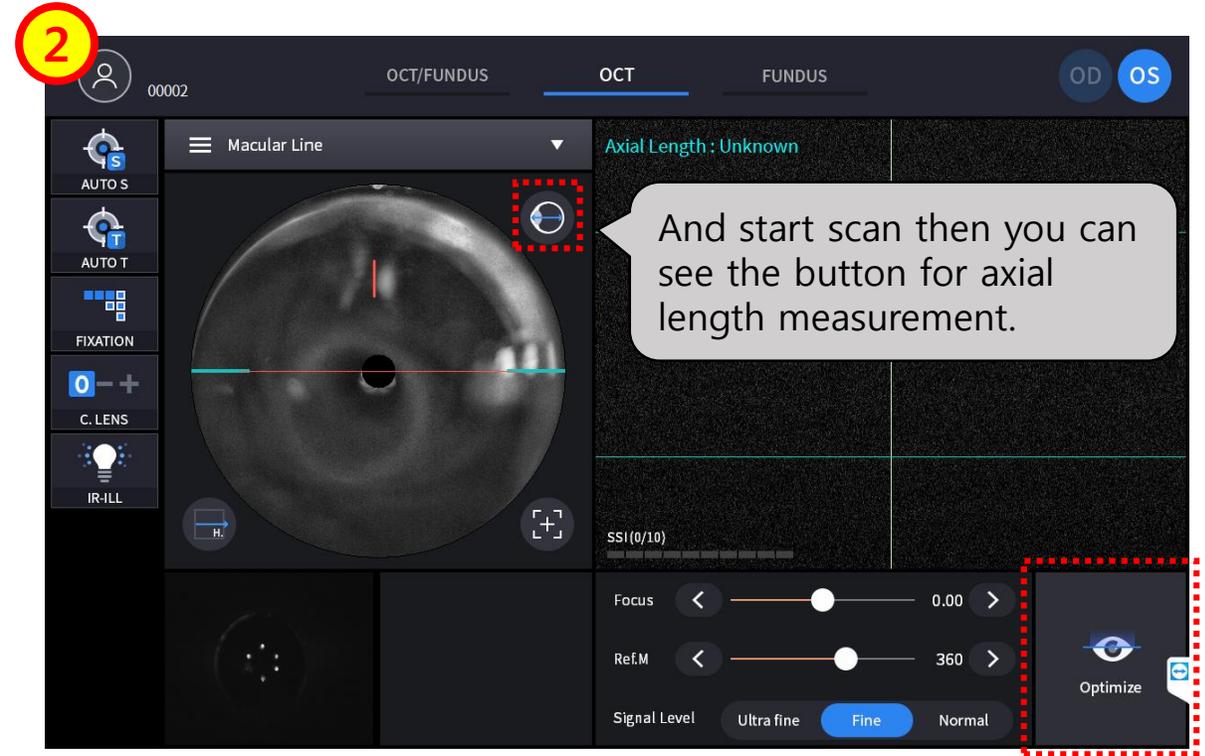
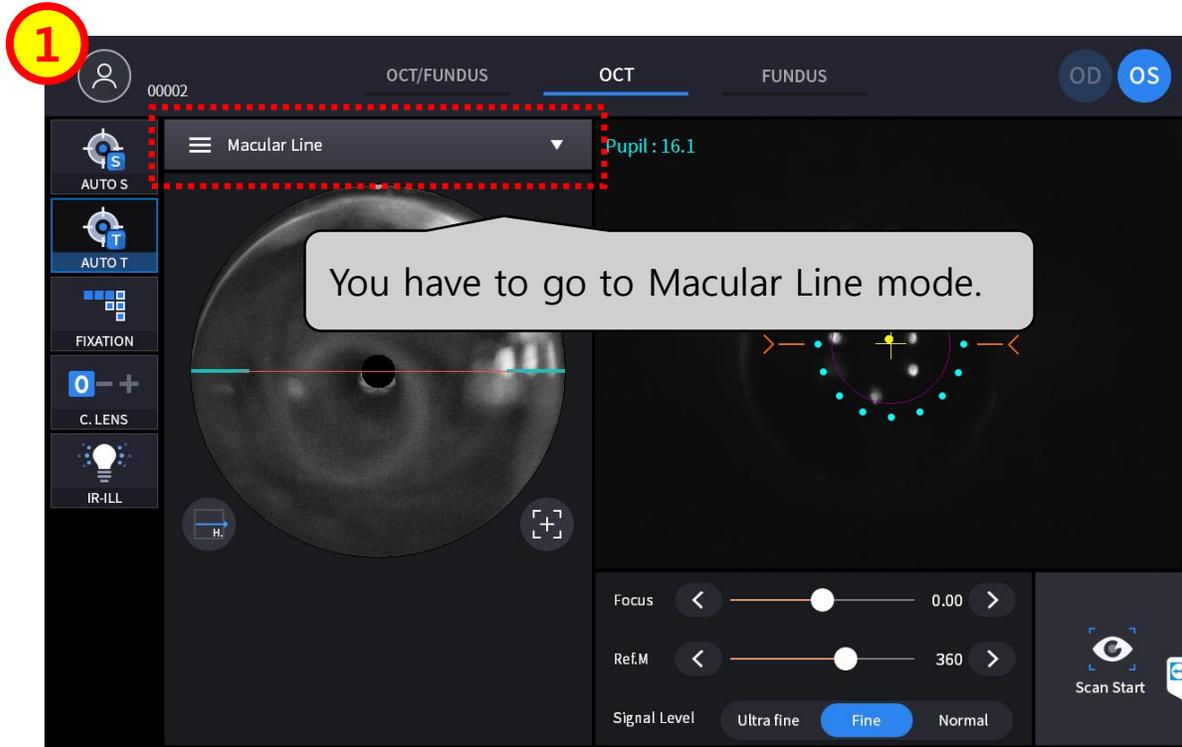
2. Run on auto measurement mode

Open UserConfig.ini file

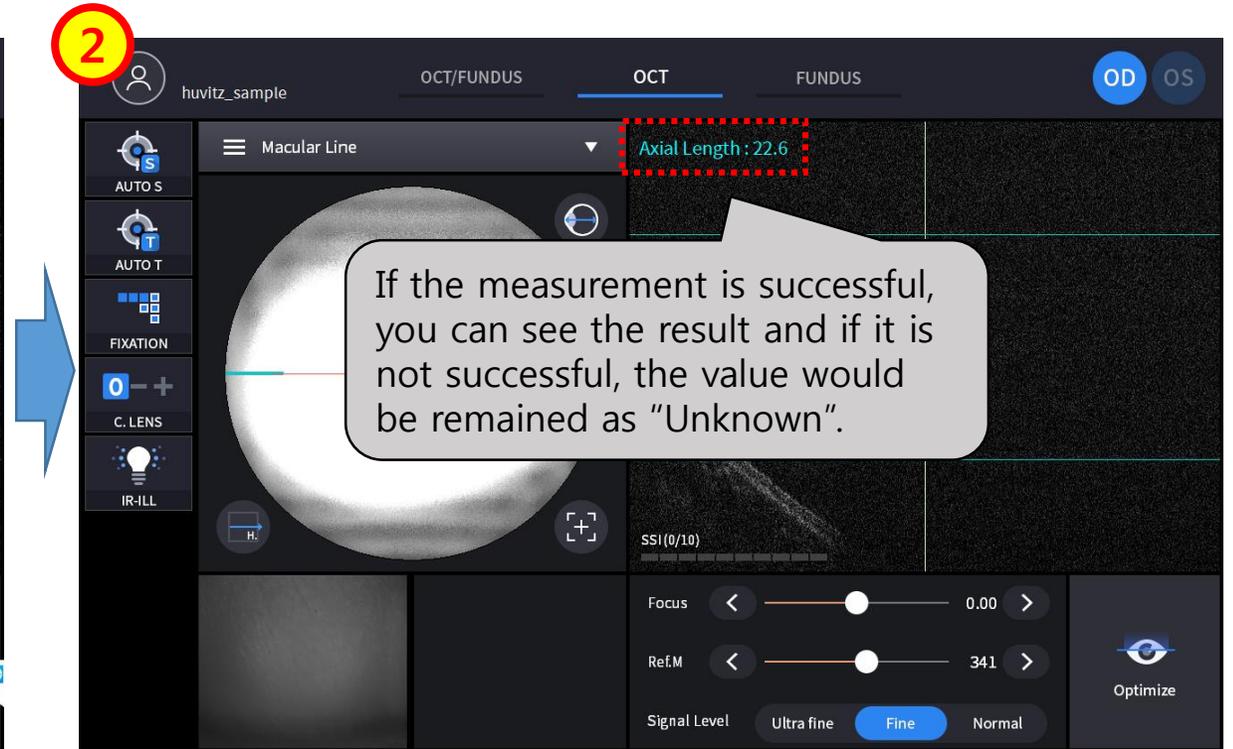
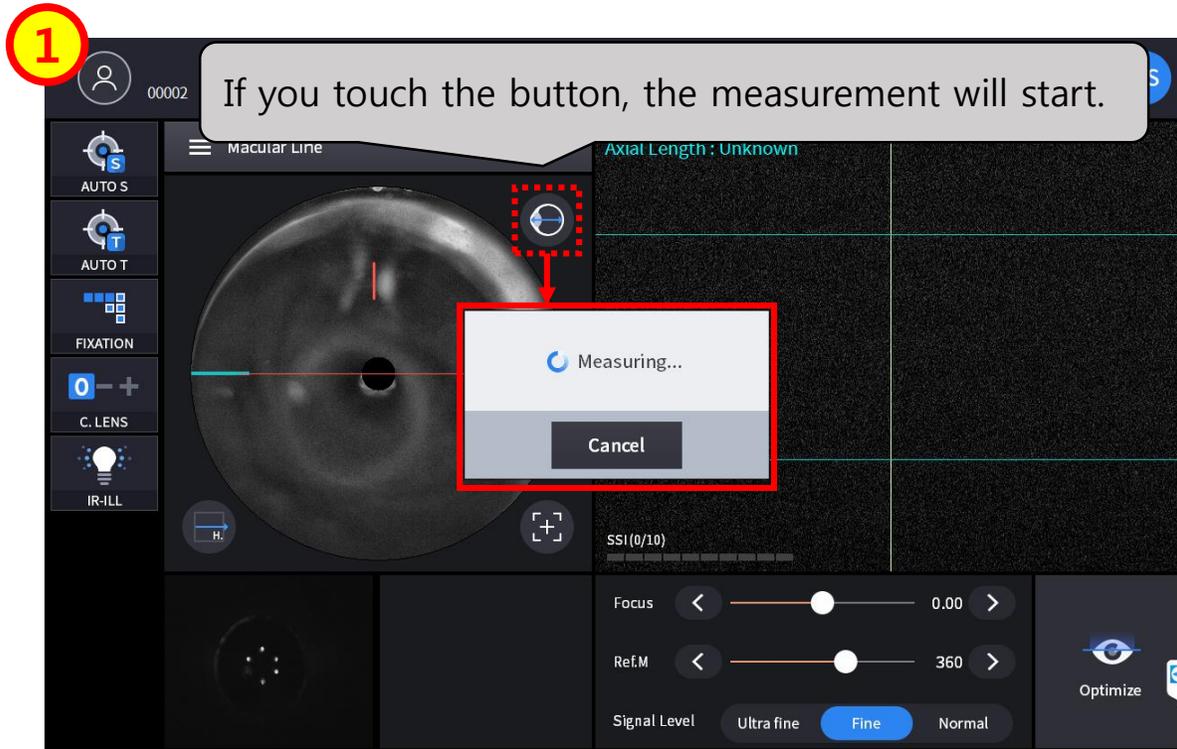
Set "axialLengthAuto" option to "1"

```
UserConfig.ini - 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
idNumberLen=5
dateFormat=0
[Measure]
startMeasMode=1
autoTracking=1
autoShoot=0
autoScan=1
autoSPupil=1
fundusPreset=0
externFixation=1
fundusImageRange=0
smallPupilGuide=1
pupilSizeText=1
showFixationPosition=1
showAimingDot=1
octNFundusMeasType=1
enable3DWide=0
axialLengthAuto=1
[ScanPattern]
startScanDomain=0
defaultMacular=4
defaultDisc=2
defaultAnterior=1
```

2-1. Run Hoct-1 program and go to Macular Line measurement mode.

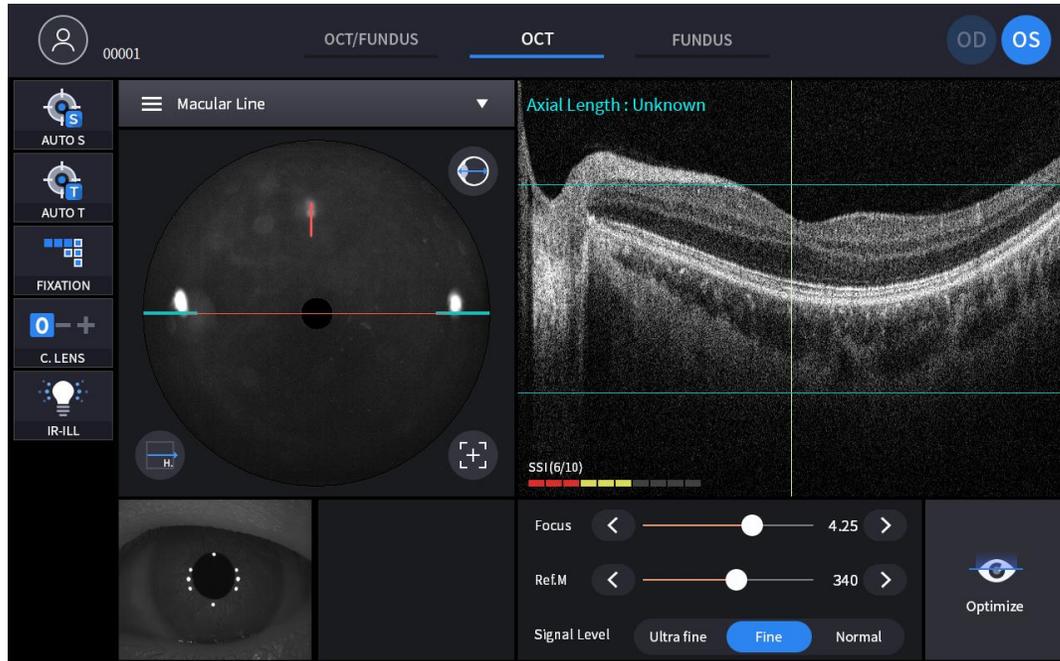


2-2. Take a measurement, and check the result.

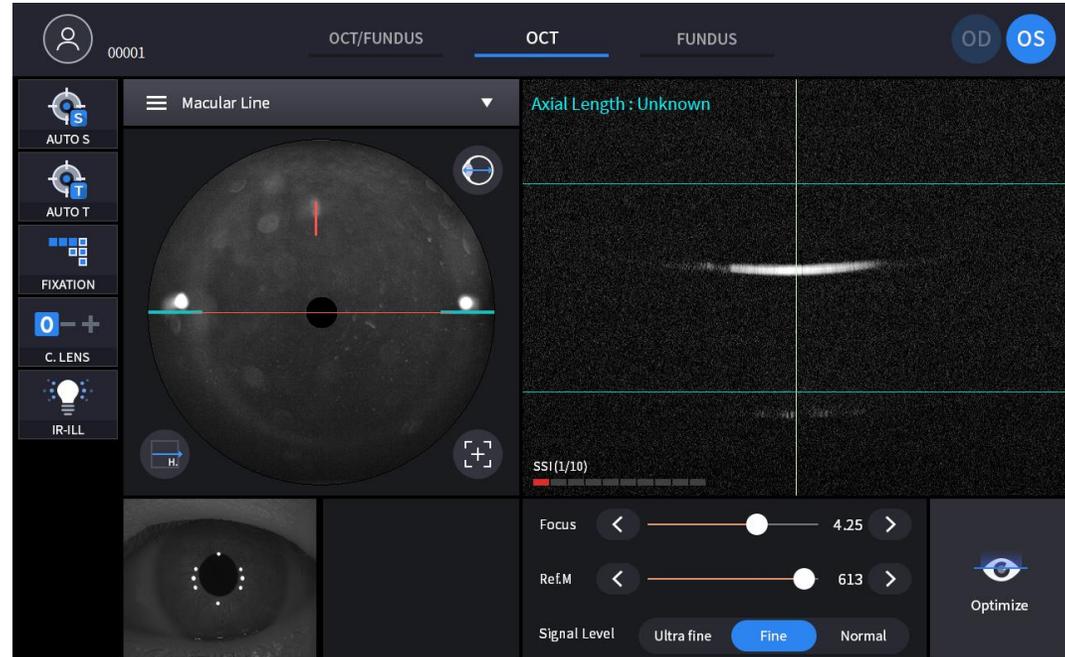


2-3. Detail steps for measurement.

Step 1. Find the posterior point and check the position of reference mirror.



Step 2. Find the anterior point and check the position of reference mirror.



Step 3. Convert the difference between two points that are measured from Step 1 and Step 2 to real distance (mm).

3. Run on semi-auto measurement mode

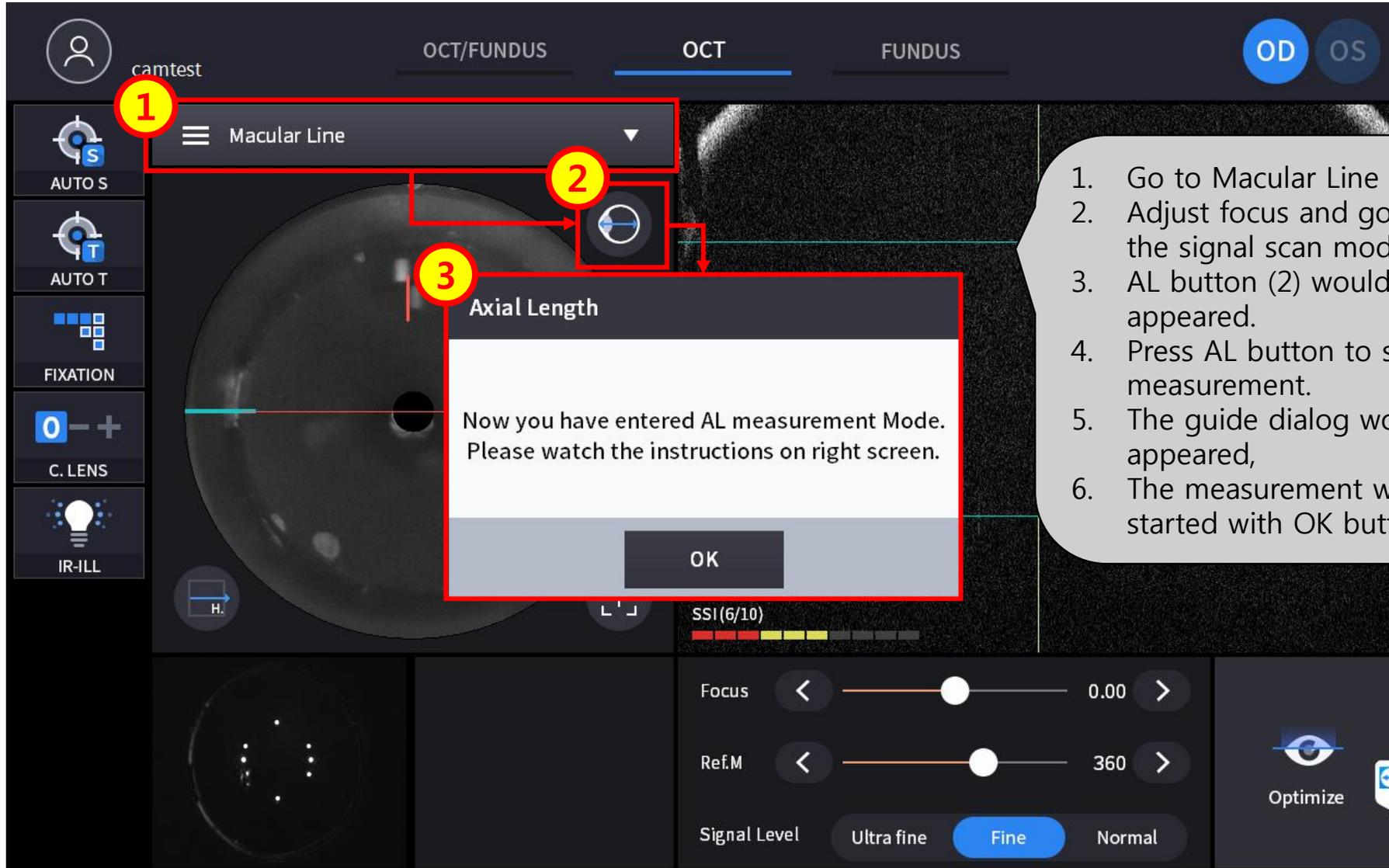
The image shows a Windows file explorer window with a list of files. A callout box labeled "Open UserConfig.ini file" points to the file "UserConfig.ini". The file is selected, and its contents are displayed in a text editor window titled "UserConfig.ini - 메모장".

The text editor shows the following configuration:

```
UserConfig.ini - 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
idNumberLen=5
dateFormat=0
[Measure]
startMeasMode=1
autoTracking=1
autoShoot=0
autoScan=1
autoSPupil=1
fundusPreset=0
externFixation=1
fundusImageRange=0
smallPupilGuide=1
pupilSizeText=1
showFixationPosition=1
showAimingDot=1
octNFFundusMeasType=1
enable3DWide=0
axialLengthAuto=0
[ScanPattern]
startScanDomain=0
defaultMacular=4
defaultDisc=2
```

A callout box labeled "Set 'axialLengthAuto' option to '0'" points to the line "axialLengthAuto=0" in the text editor, which is highlighted with a red dashed box.

3-1. Go to Macular Line mode and start with AL button.



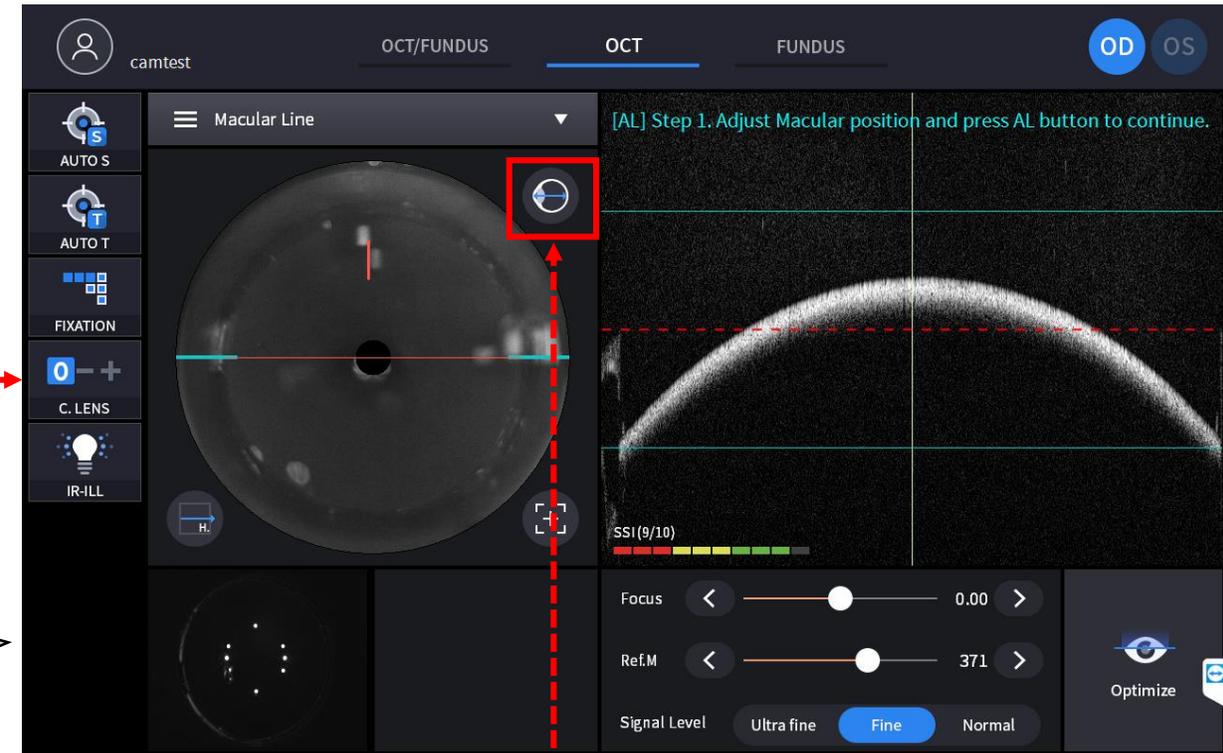
1. Go to Macular Line mode.
2. Adjust focus and go in to the signal scan mode.
3. AL button (2) would be appeared.
4. Press AL button to start the measurement.
5. The guide dialog would be appeared,
6. The measurement would be started with OK button.

3-2. The first step is finding macular position.



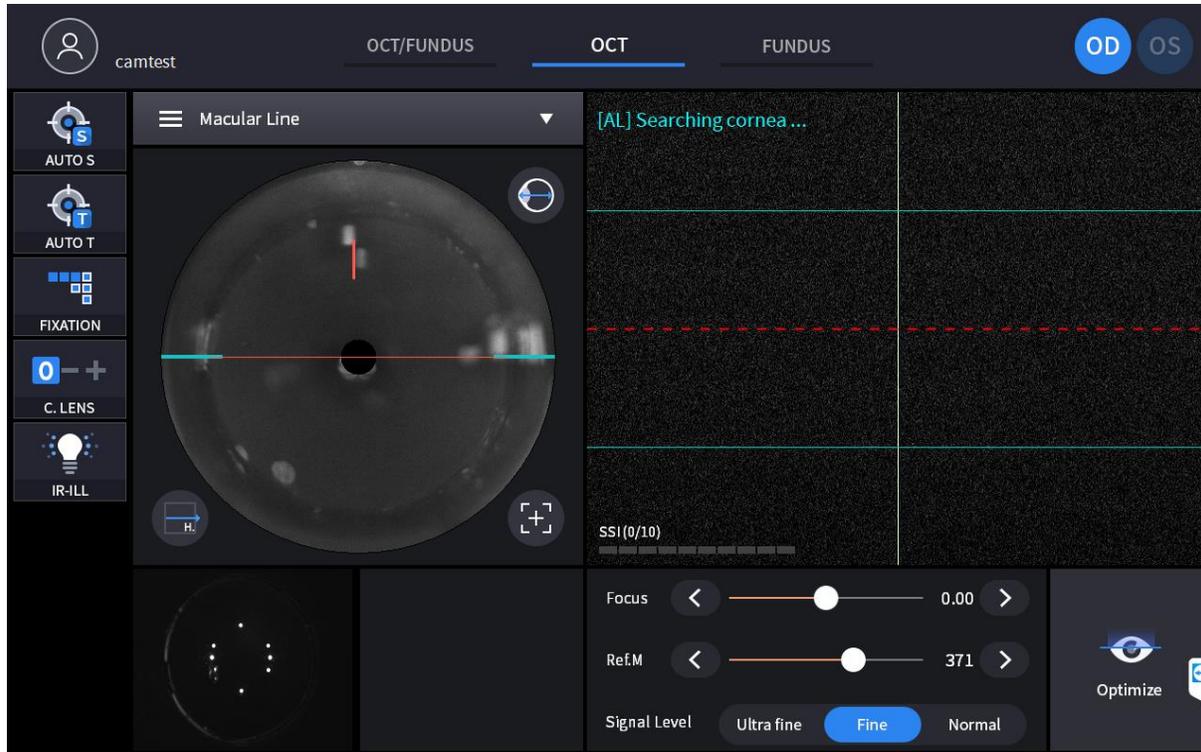
Macular searching process starts automatically.

After auto searching, you can adjust more specific position. (Move reference mirror and set your RPE signal on the center of the screen – you can refer to dashed red line on the screen,)



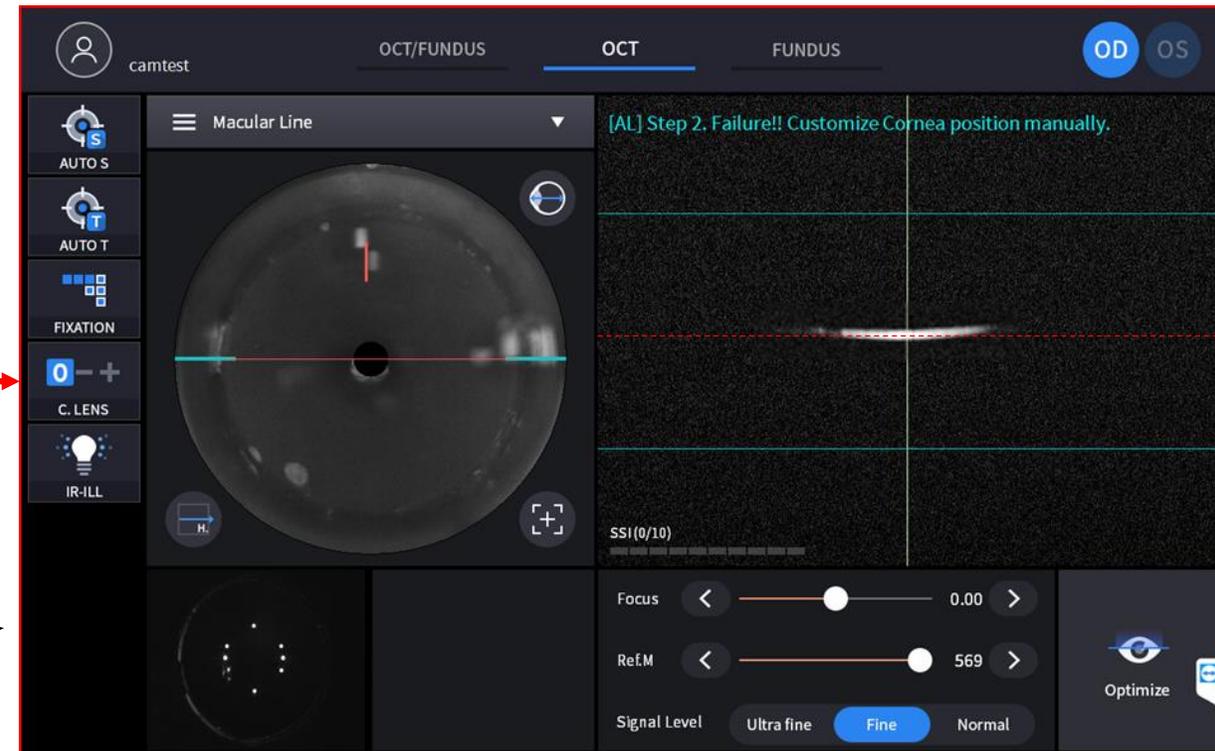
And press AL button to go to next step

3-3. The second step is finding cornea position.



Cornea searching process also starts automatically.

After auto searching, you can adjust more specific position. (Move reference mirror and set your Cornea signal on the center of the screen – you can refer to dashed red line on the screen,)



3-4. Check the result.

The image displays two screenshots of an OCT/FUNDUS device interface. The top screenshot shows a measurement failure with a red box around a manual adjustment icon and a callout bubble. The bottom screenshot shows a successful measurement with a red box around the 'Axial Length: 18.3' result.

Top Screenshot (Failure):

- Header: camtest, OCT/FUNDUS, **OCT**, FUNDUS, OD OS
- Menu: Macular Line
- Message: [AL] Step 2. Failure!! Customize Cornea position manually.
- Callout bubble: After setting cornea position, you can check the result.
- Measurement result box: Axial Length, The measurement is finished. Axial length is 18.3 mm. OK
- SSi (0/10)
- Focus: 0.0
- Ref.M: 56
- Signal Level: Ultra fine, Fine

Bottom Screenshot (Success):

- Header: camtest, OCT/FUNDUS, **OCT**, FUNDUS, OD OS
- Menu: Macular Line
- Measurement result box: Axial Length: 18.3
- SSi (9/10)
- Focus: 0.00
- Ref.M: 360
- Signal Level: Ultra fine, Fine, Normal
- Optimize button

4. After Measurement, check the result at the analysis screen and report screen.

00004 OD OU OS OD : 18.07.16 / 19:12:36 (SSI : 8) Macular Line - 9.0mm (H)

MEASURE IR Fundus

REPORT

EXPORT

LEVEL ADJUST

THICKNESS

COMMENT

Summary Parameter

Axial Length	22.60
--------------	-------

T-Map Chart Graph Info

Name: Gender: M Exam Date: 2018-07-16
 ID: 00004 Race: Exam Time: 19-12 PM
 DOB: 2018-07-11 Physician: Operator:

Macular Line - 9.0mm / A1024 (H) [OD]

SSI: 8/10

Thickness Graph

Summary Parameter

Axial Length	22.60
--------------	-------

Comments Signature Device / SW Info.