INSTUCTION 02

This system is applied to the auxiliary design of home table surface processing, mainly based on Android system platform, including Harmony OS 2.0 and above. Using Leica DST 360° bidirectional angle sensor, Leica series laser rangefinder, auxiliary tripod and software in your tablets or mobile phones.

- **Collect laser point distance data,**
- **Project double angle and dots sequence,**
- **Construct a closed plane**
- **Click to eliminate right Angle intersections**
- **Dimension each side, distance unit is mm, allowing manual modification**
- **Water back, hang down, the default color is highlighted and the length is calculated automatically. The value can be manually modified, allowing you to click on each edge to add or delete.**
- **Set basic parameters manually**
- **The opening mode is divided into circle, rectangle, ellipse, input manual data, display in table position.**
- **Export DXF file, can be connected to CAD system.**

Software interface design, using the default landscape screen, suitable for 7-inch tablet or Android mobile phone. Unique registration code binding for each machine.

Support Android version 6.0 and above, including Harmony OS system.

preparatory work:

- **Take out the equipment,**
- **Adjust the tripod,**
- **Install the rotating head,**
- **Install the rangefinder,**
- **Open the rangefinder switch,**
- **Manually adjust the level,**
- **According to the rangefinder screen prompts;**
- **Once finished, you can use the software.**

The initial interface is as follows:

contact，survey, points, Edit, level, mesa, hole, side, option, break, info, export, file, undo, about.

-Undo, undo operations such as corner filling, point filling, width and height

adjustment, table surface generation, hole opening, edge hole, truncation, etc.

Internal mechanism：

- Click "Contact" will automatically clear all current data
- Click "Disconnect" to automatically save the data just measured by the laser, close the software halfway, open it again, and automatically load the last measured data without re-measuring.
- When you “ Export “ DXF file, the cached data will be cleared, ending the graph measurement.

Step 1, “ Survey”

- Expand the tripod leveling
- Install the head and rangefinder
- Open the rangefinder switch
- Turn on Bluetooth on your Android phone or tablet and connect to the rangefinder
- Then open the software and click the connection icon

- After the connection is successful, the icon will change to

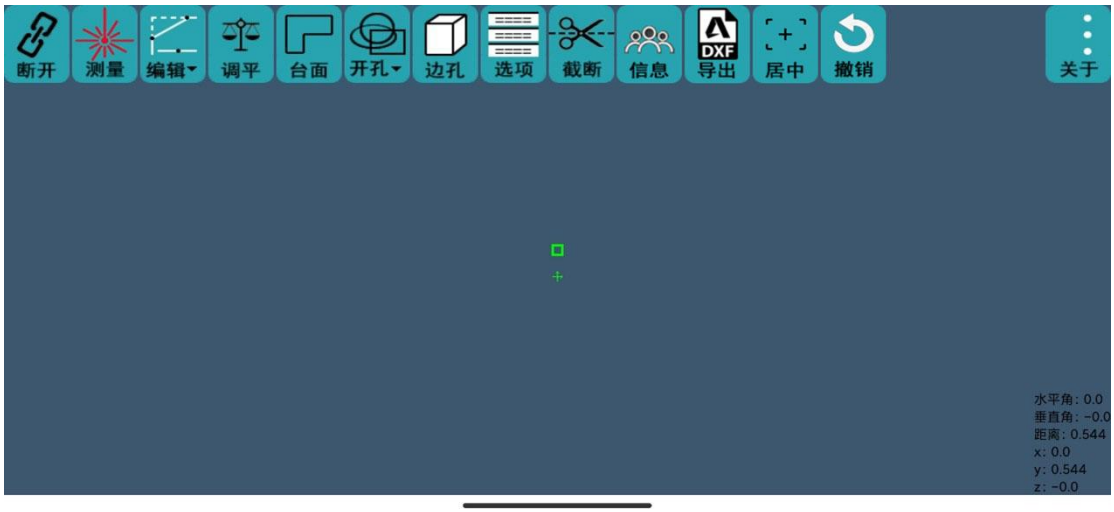
- The measurement icon will also turn red

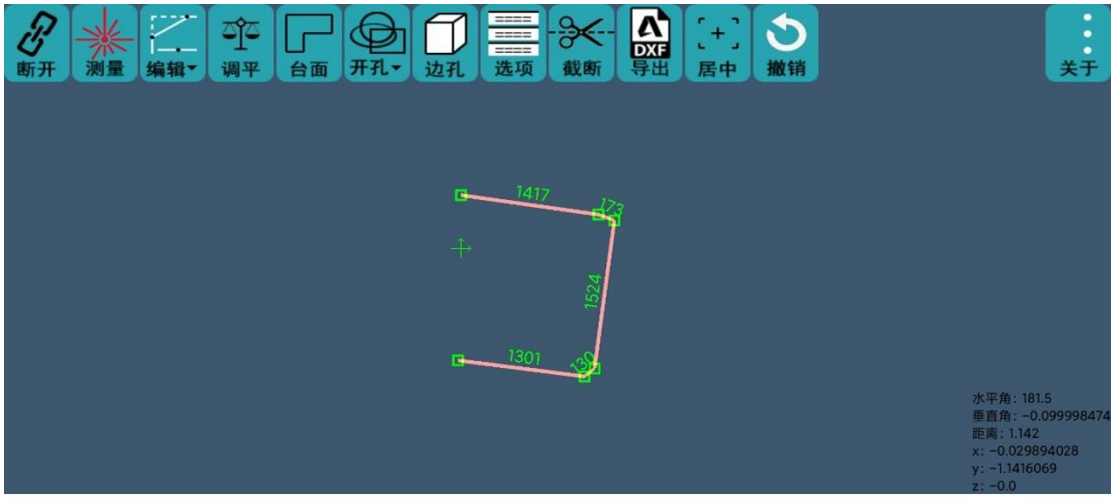
- At this time according to the rangefinder screen prompts, rotate it and level it.
- When you have finished leveling, click on the measurement icon

- Record the first point, rotate the head, click on the measurement icon, record the second point... Until all measuring points are completed.
- After the measurement point is completed, click the disconnect button

to end the measurement and the icon becomes

. The laser rangefinder device can be turned off at this time.

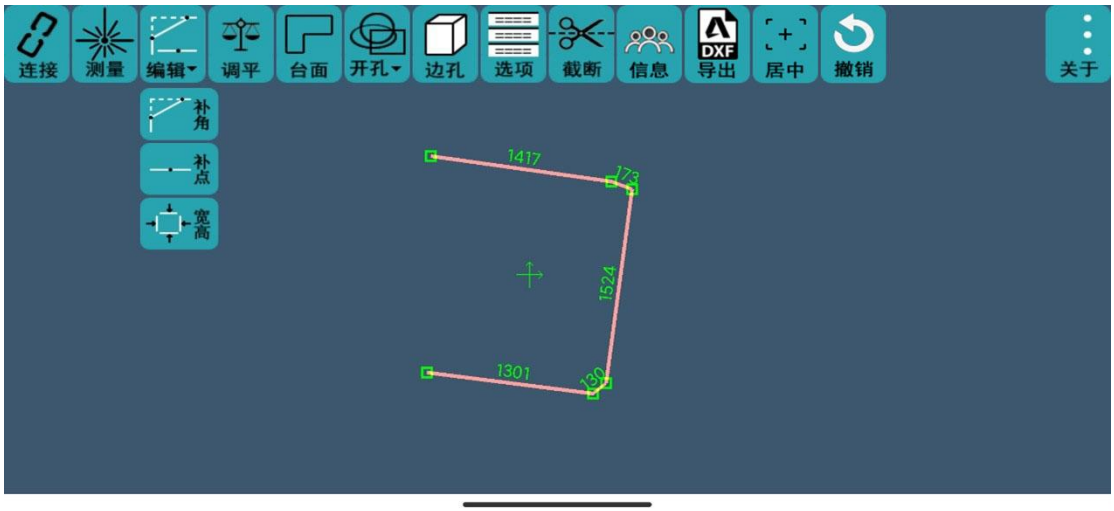




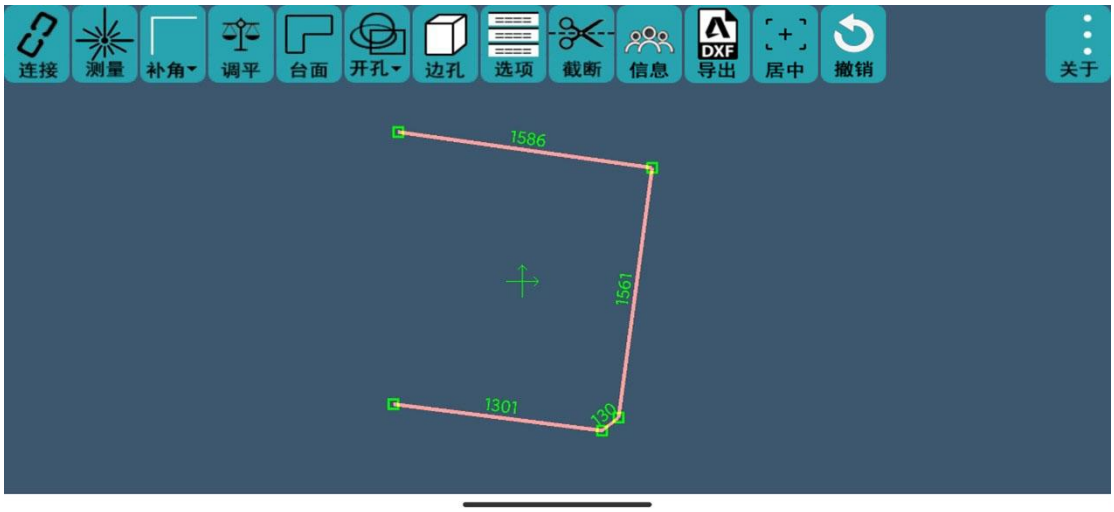
Step 2, “ Edit”

- **Click the Edit icon**

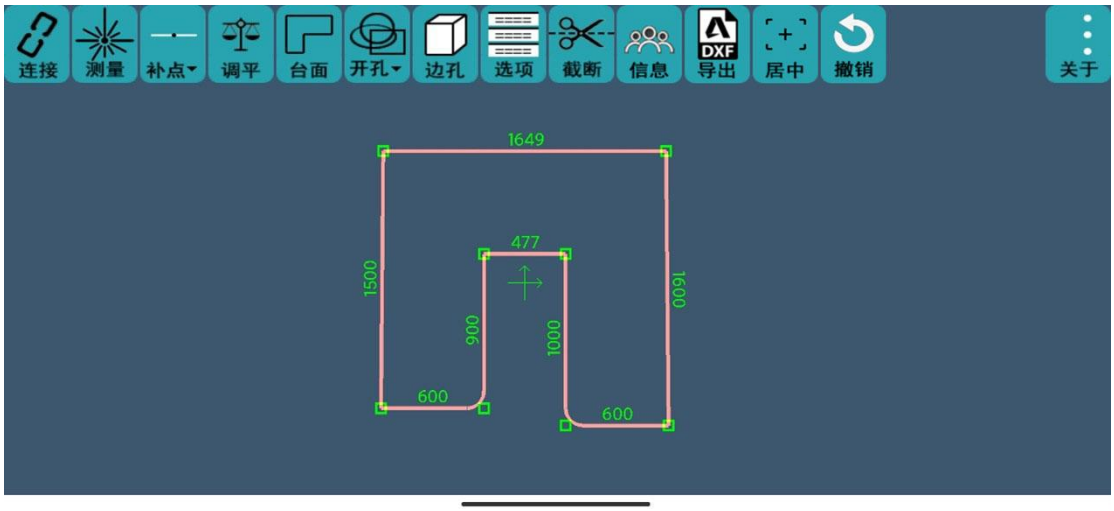
- **Expand the fill Angle, fill point, width and height**



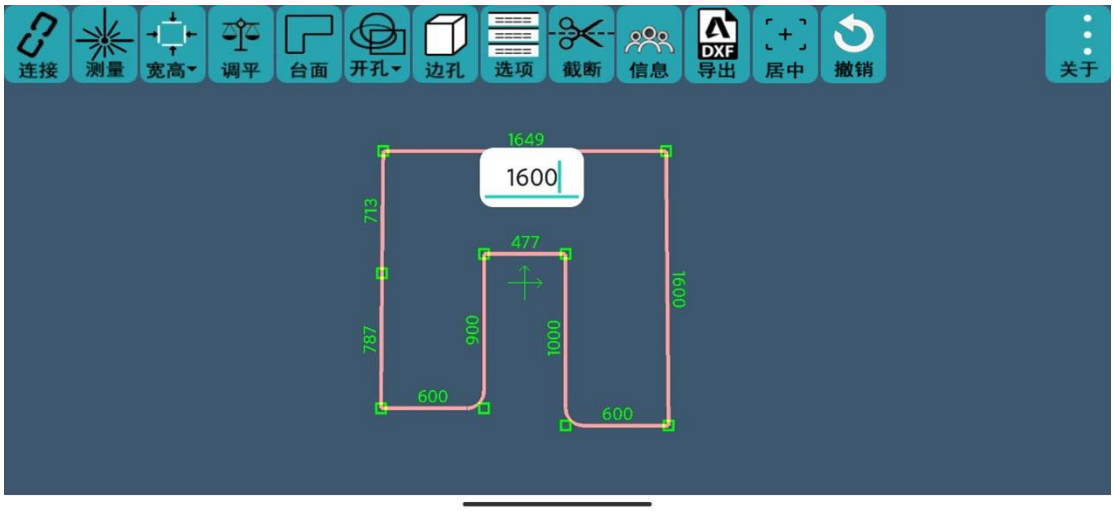
- **Fill angle:** **if you do not use reflective stickers, need to be dotted on both sides of the wall, through this function to complete the corner. Click on the two ends of the line segment to be completed, and the software automatically extends the intersection of the two line segments. This Angle is a measurement, not necessarily a right Angle.**

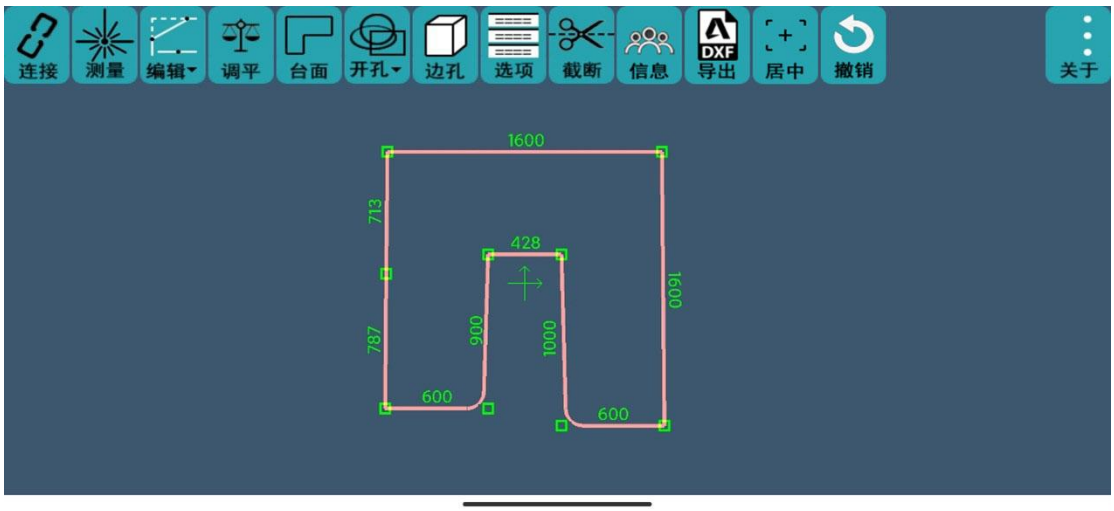


- **Fill point:** **manually add moving points.**



- **Width and height:** **figure adjustment width and height overall, click to adjust the data, enter the corresponding data, click the blank, it can take effect.**

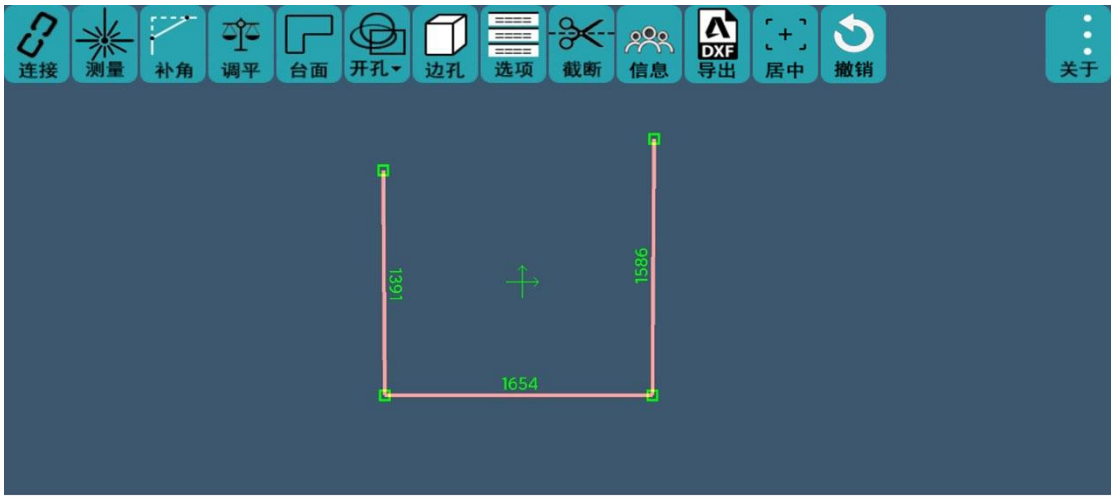


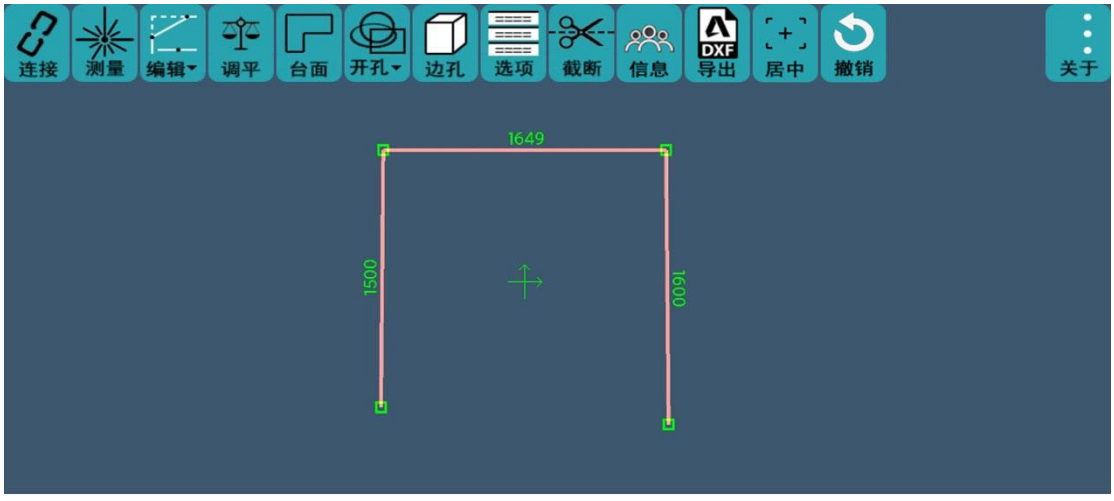


Step 3, “ level”

- **Click the level icon**

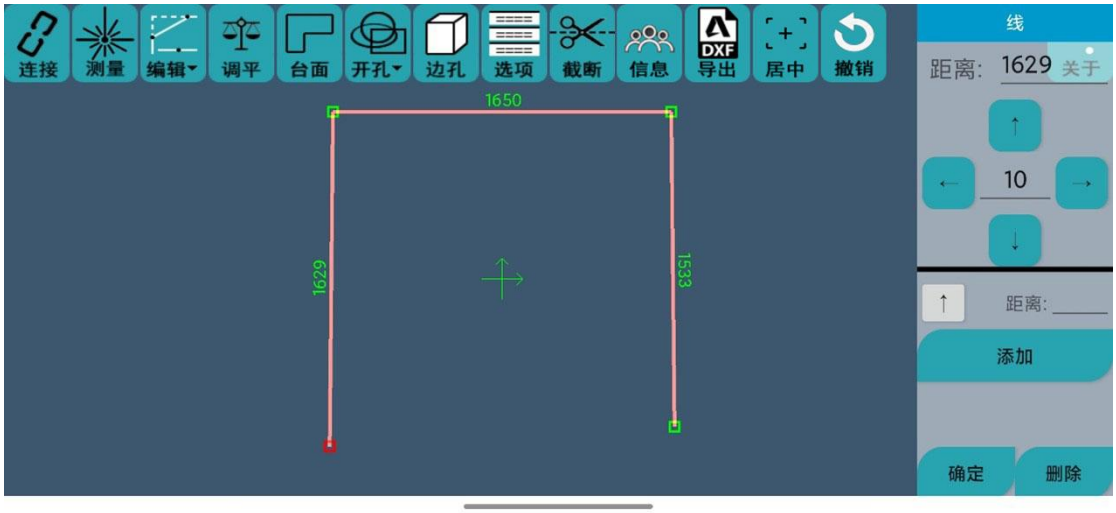
- **Then click on both ends of the horizontal line segment as prompted. Click on any line segment to level the operation.**
- **Both ends of the same line segment can be leveled repeatedly to achieve upside down.**



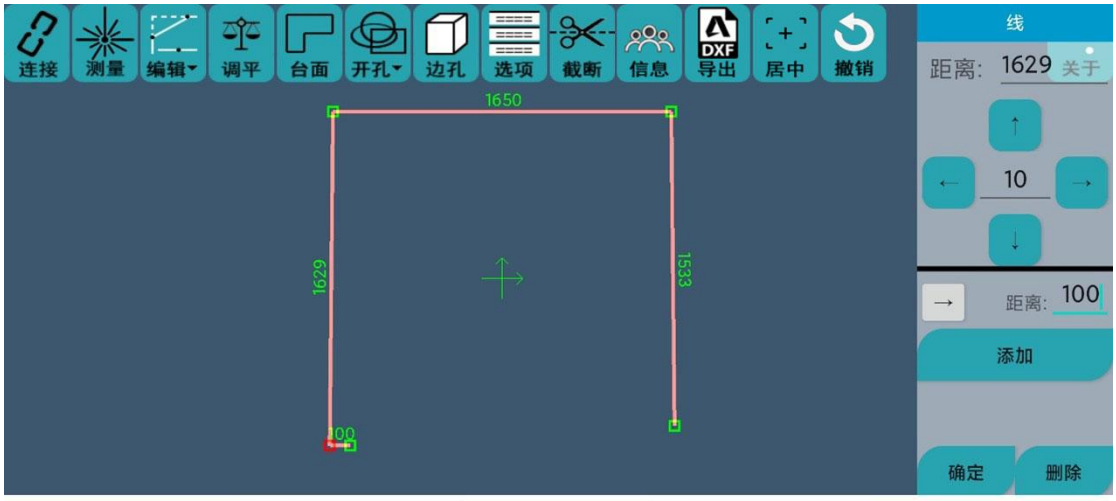


Step 4, modify the data

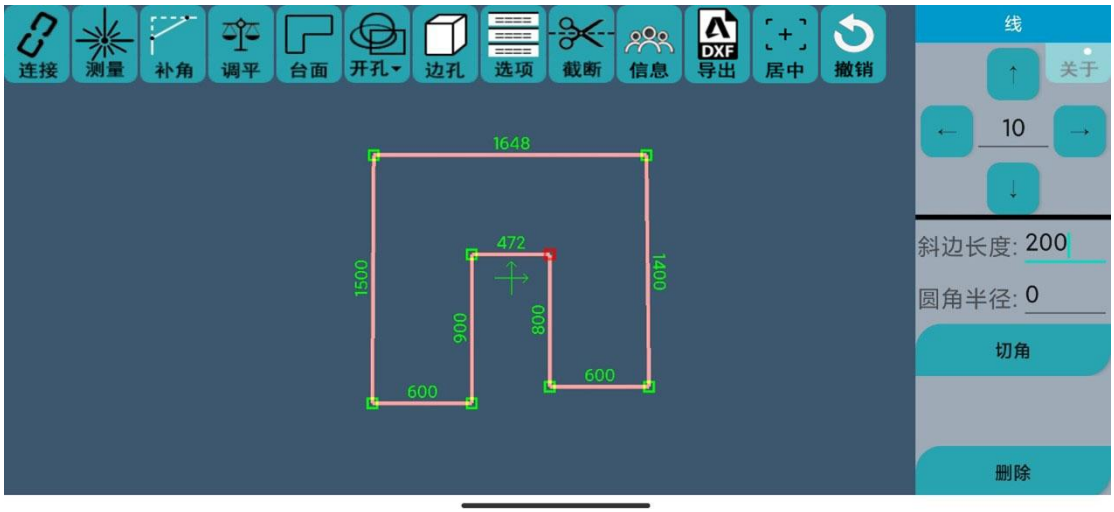
- **Click each measurement point**
- **Modify the data in the right window to adjust the line length**
- **Click OK to take effect.**
- **Line segment automatically drives position**
- **Edge of the point, directly change the data, then change the length**
- **Or move up and down, left and right, to adjust the corresponding step size**

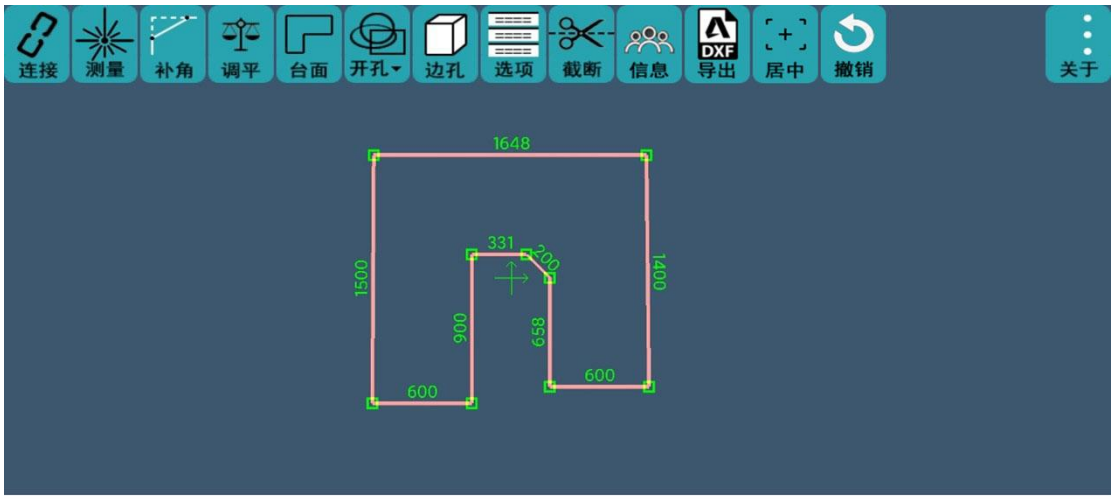


- You can also add 4 points in the direction, click → to switch the direction, modify the distance, click the button 添加.



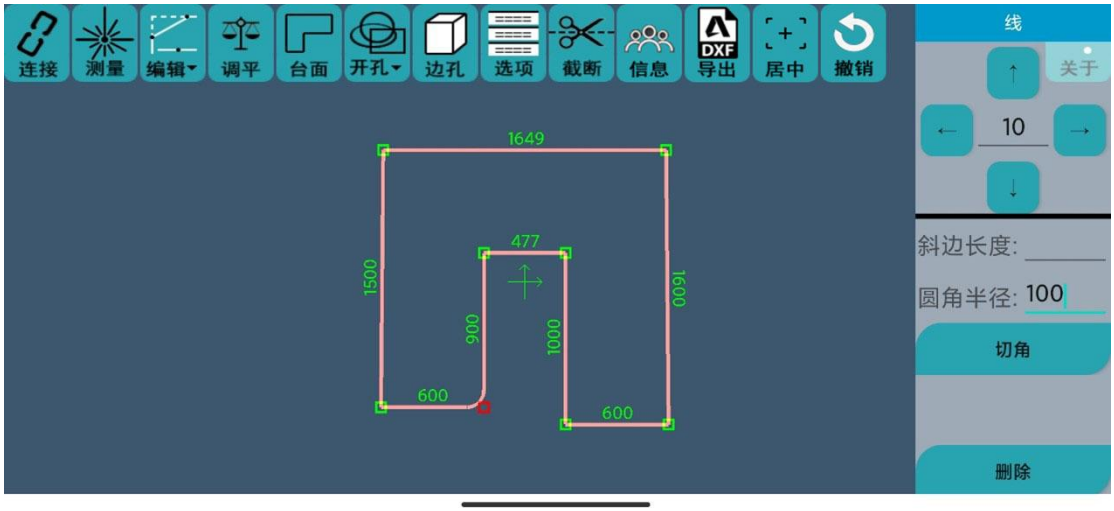
- Inside point, you can cut the Angle operation. Cut the hypotenuse: enter the length of the hypotenuse, click "cut the Angle".





- **Round the corners, enter the radius, and click "Cut corners"**

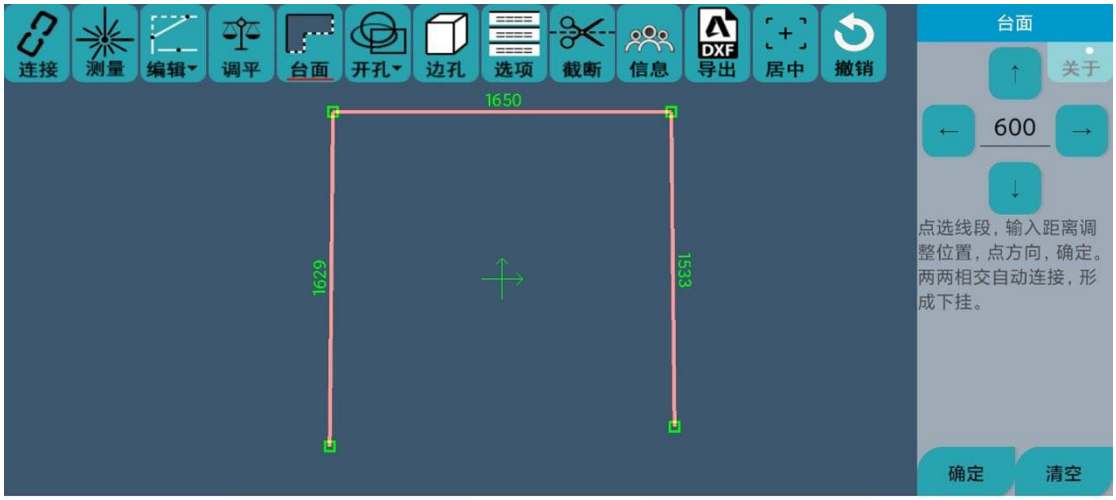
Step 4, modify the data



Step 5, “ Mesa”

- **Click the icon**

- **Manually click on the water back edge line that you want to generate bottom parallel. RED line.**
- **Enter the offset distance, the default is 600mm, then click the direction button to move**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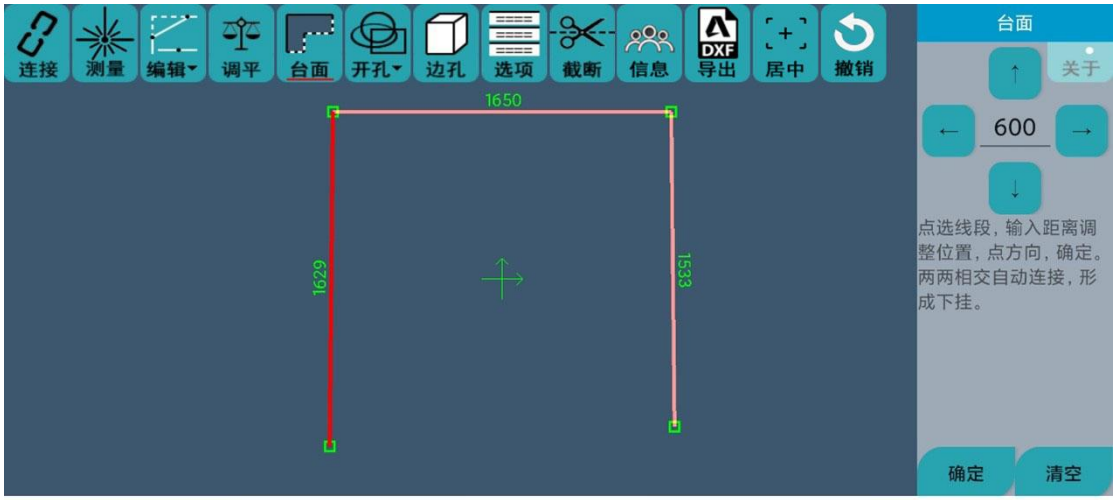
点选线段，输入距离调整位置，点方向，确定。两两相交自动连接，形成下挂。
确定
清空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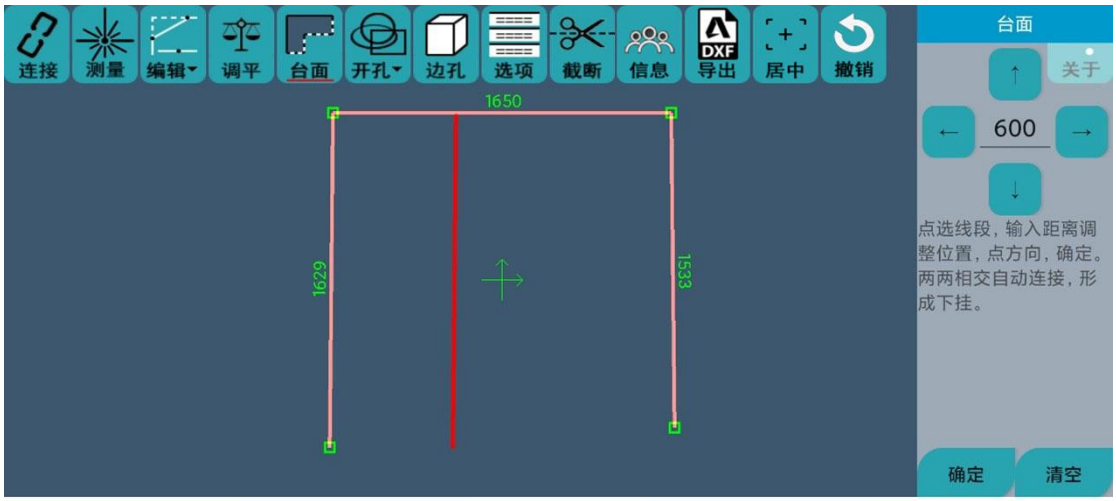
确定
清空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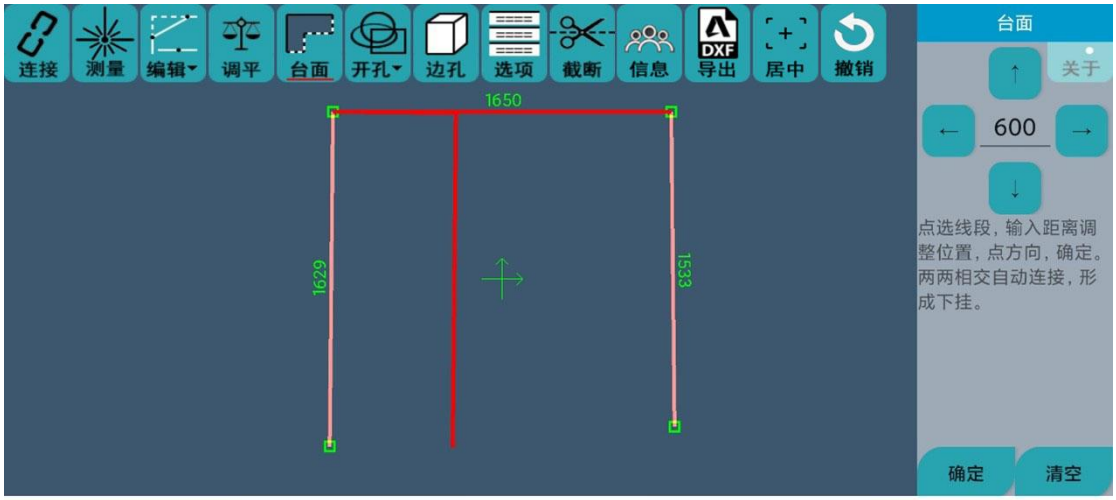
确定
清空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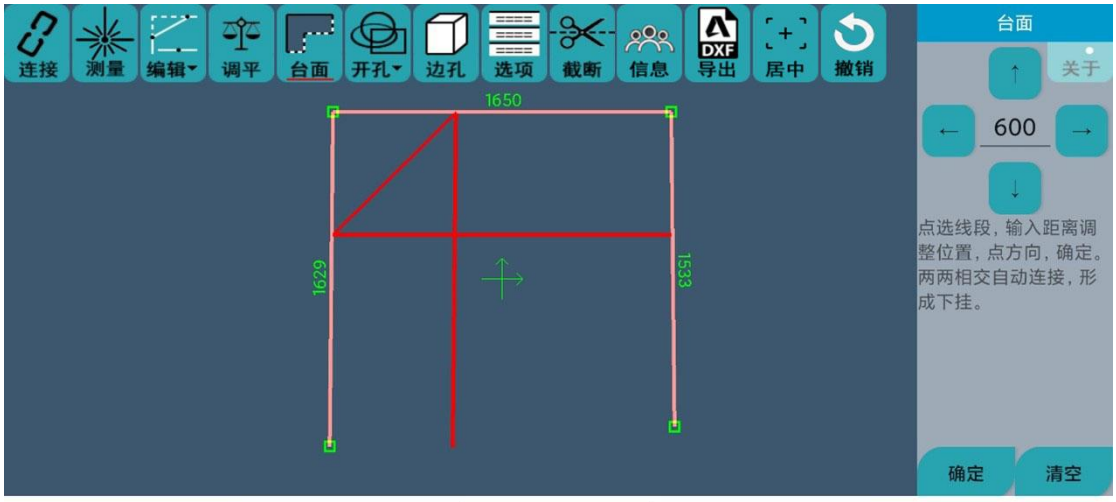
确定
清空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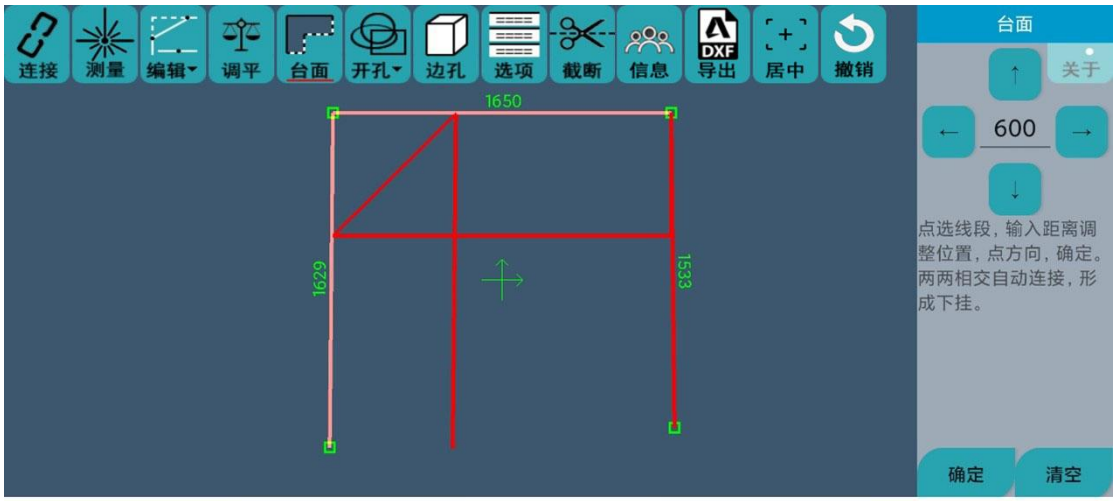
点选线段，输入距离调整位置，点方向，确定。两两相交自动连接，形成下挂。
确定
清空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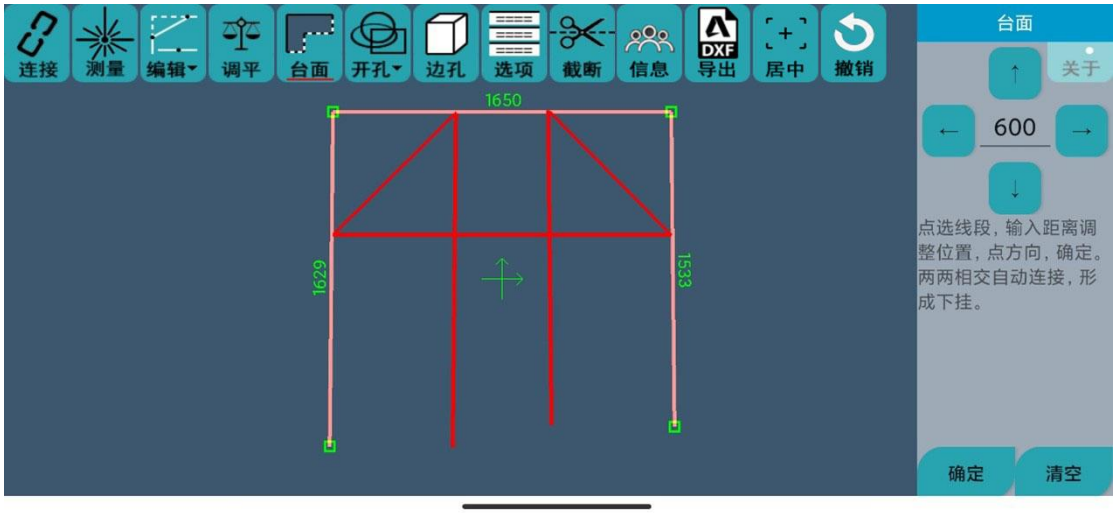
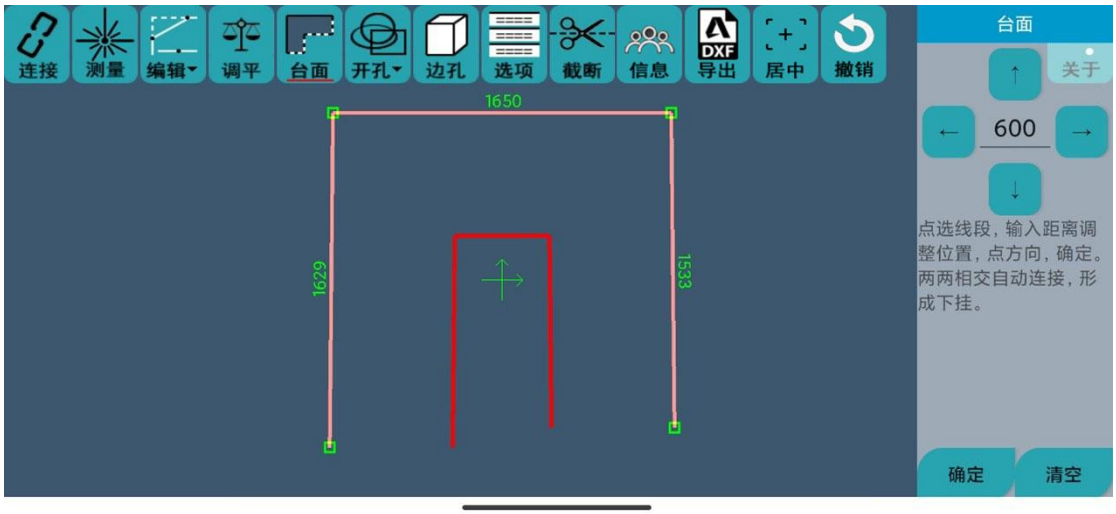
点选线段，输入距离调整位置，点方向，确定。两两相交自动连接，形成下挂。
确定
清空

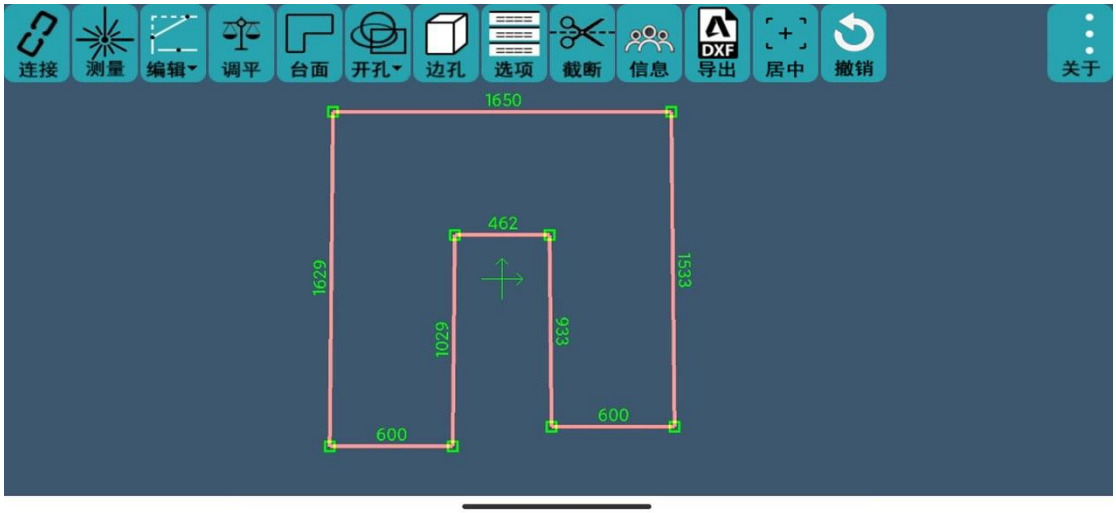


- **After the 3 edge are moved, the point is determined, and the 3 line segments automatically intersect and truncate, forming the following drawing.**

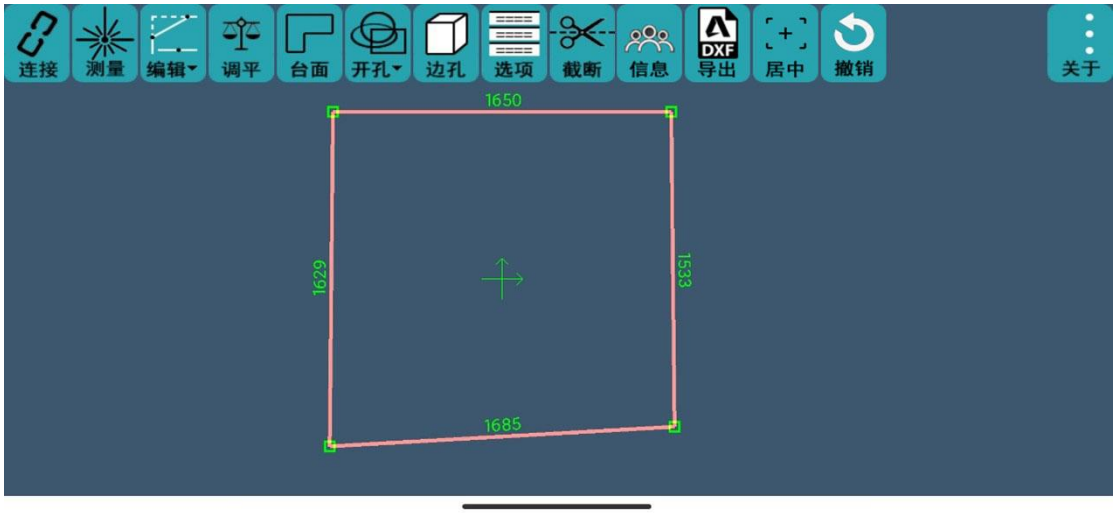


- **Click the " Table" again**

, done.



- **If you need to end to end table, do not select line segment, click twice. As the following picture.**



Step 6, “ Hole”

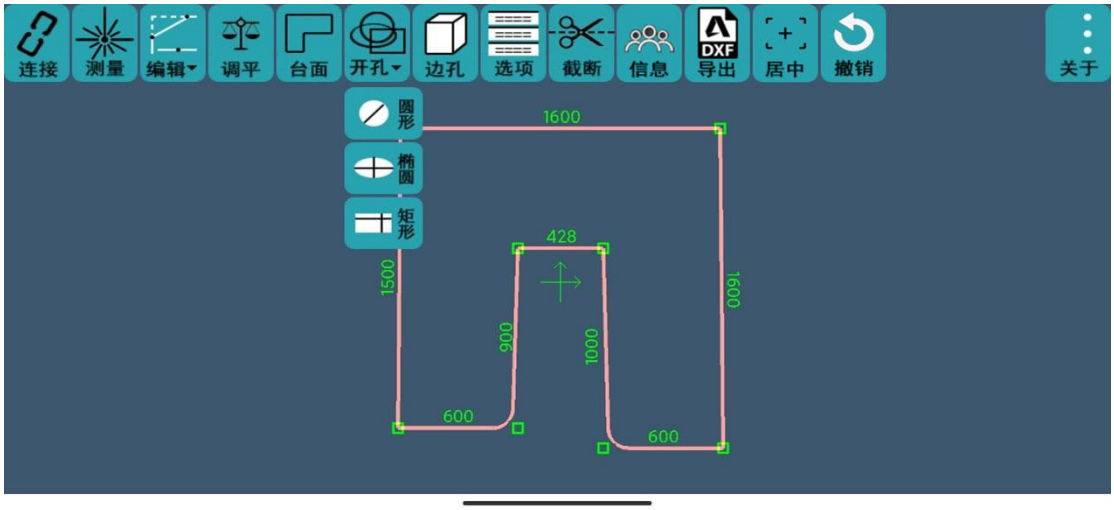
- **Click the icon**

, round

, rectangle

, ellipse

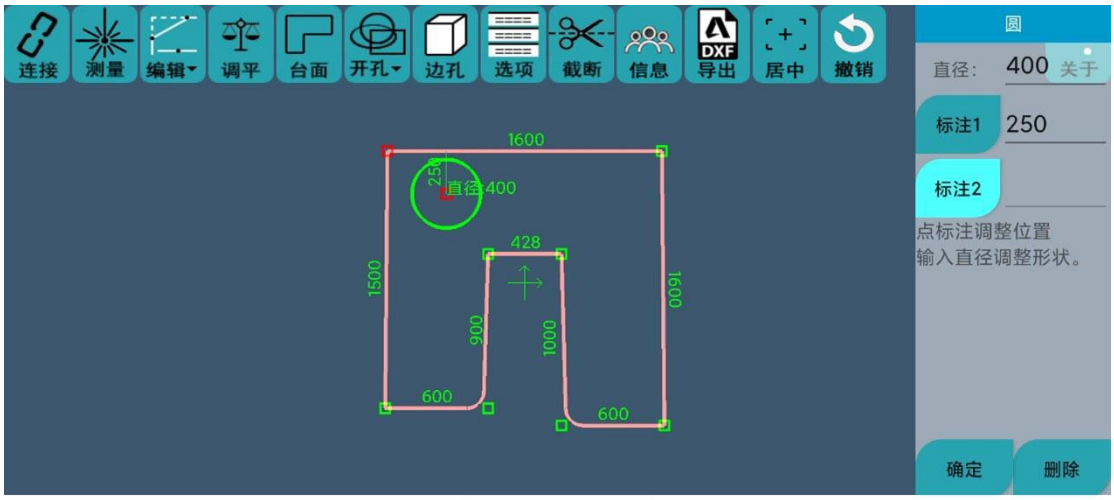
,
- **Click the round hole icon and click the approximate opening position on the table surface.**

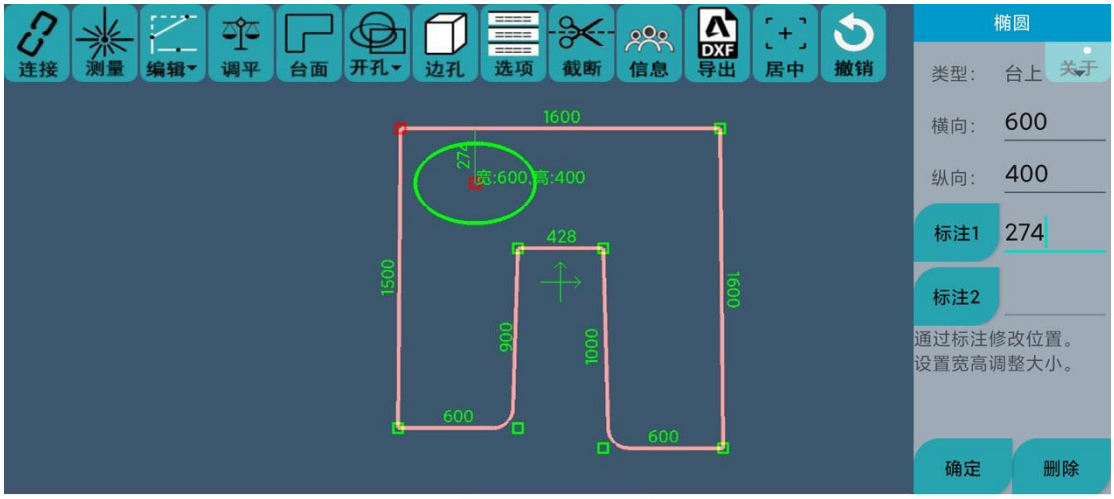


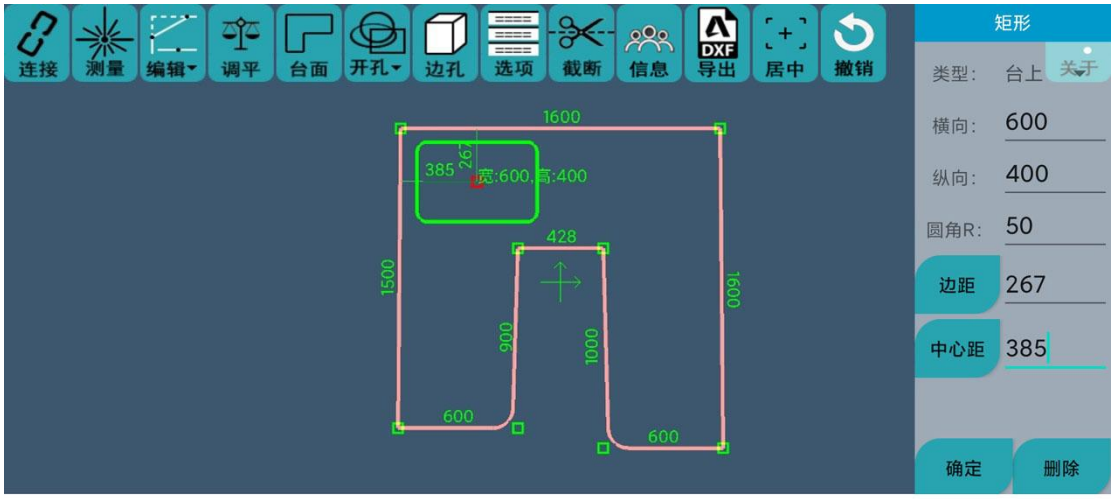
- **Click the center point of the circle, the properties are displayed on the right side, change the size of the hole by adjusting the diameter parameter, click**

and

, then click on both ends of the line segment to complete the annotation.
- **Modify the annotation value corresponding to the property window, determine the point, and drive the opening position change. You can also click delete to delete the opening, the number of opening holes can be added indefinitely.**





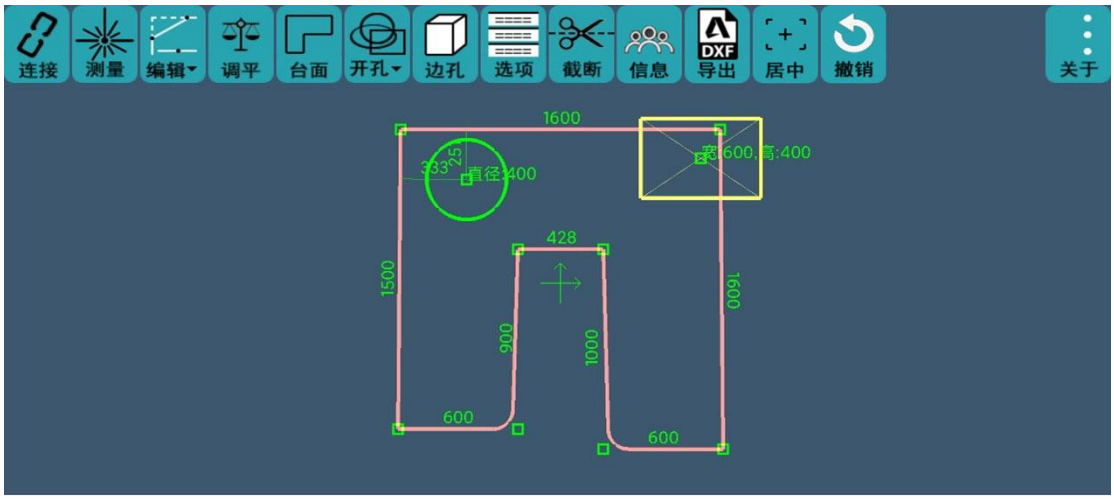


Step 7, “Side”

- **It is convenient for the side or corner of the table flue, or the opening of water and gas pipes, perform intelligent edge opening.**

- **Click

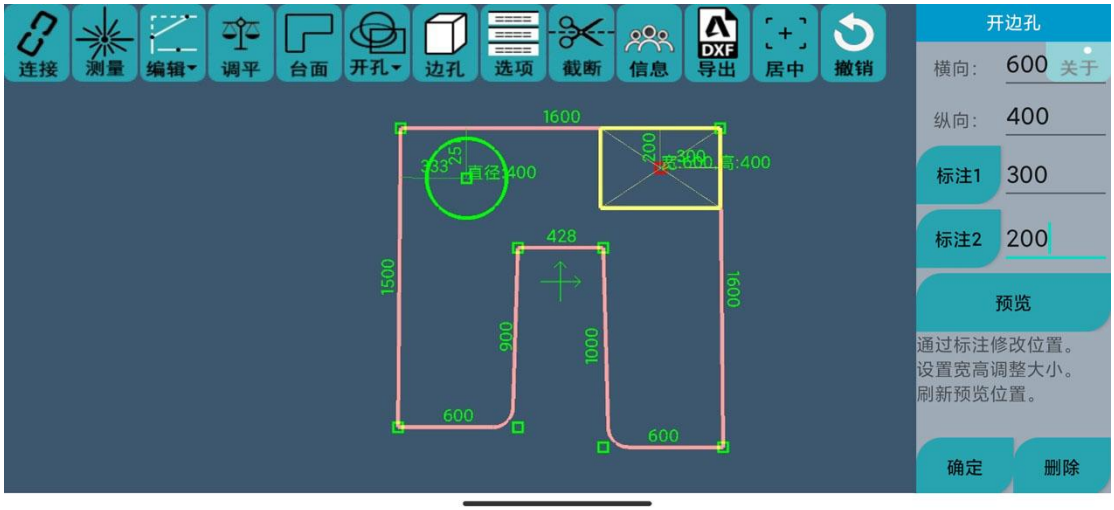
, then click proper table position, change the size by adjusting the length and width dimensions.**



- **Click

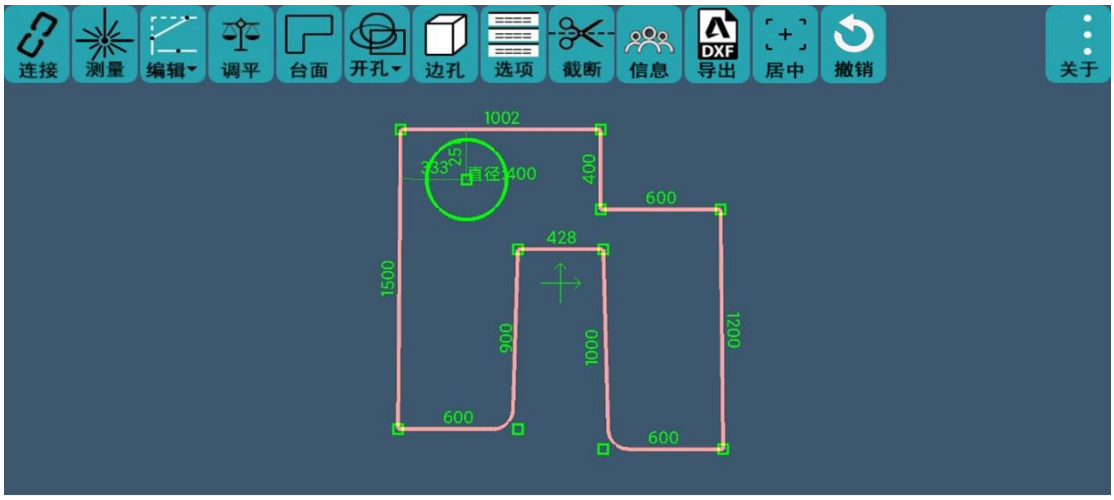
,

. Annotate the position.**



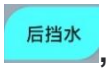
- **By modifying the annotated data, click the refresh button

to change the driver position. After the point is confirmed, and the opening position is fused with the border.**

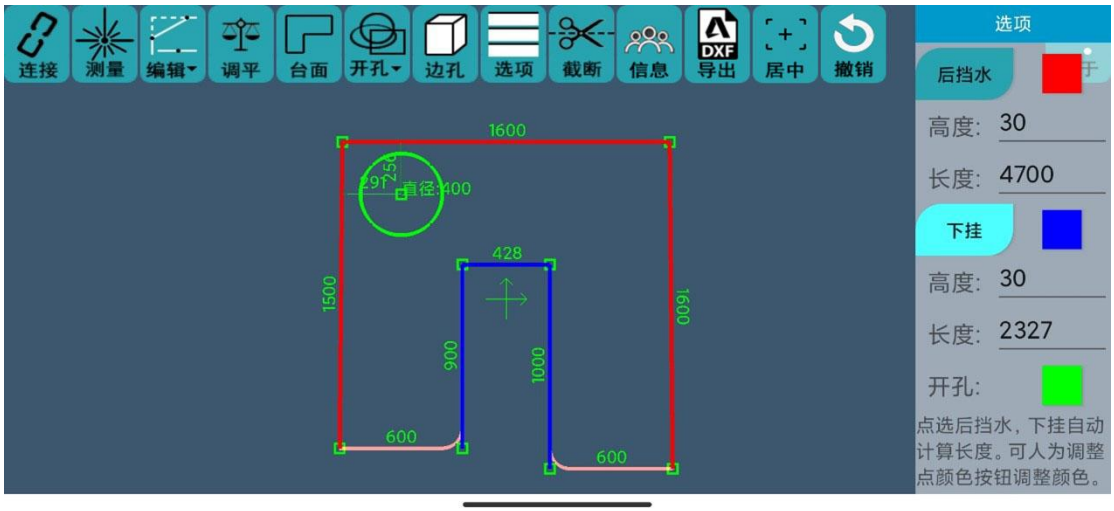


Step 8 “Option”

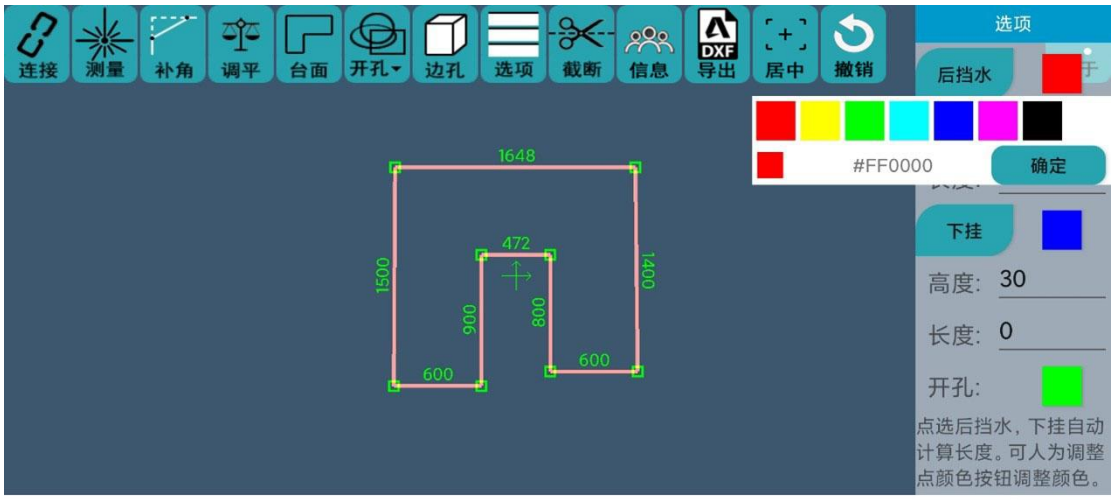
- **Click“Option”**

, set the back water blocking position, the front lower hanging position, and the color setting, the opening color selection.
- **Click the back block, the icon is highlighted** 

, click the corresponding end point on the graph, it will form a line, and automatically add up the length.



- **Click the color button respectively,** **,** **,** **, and select the color.**



- After completion, click

, the properties window will close, the setting will be completed, and the icon will become

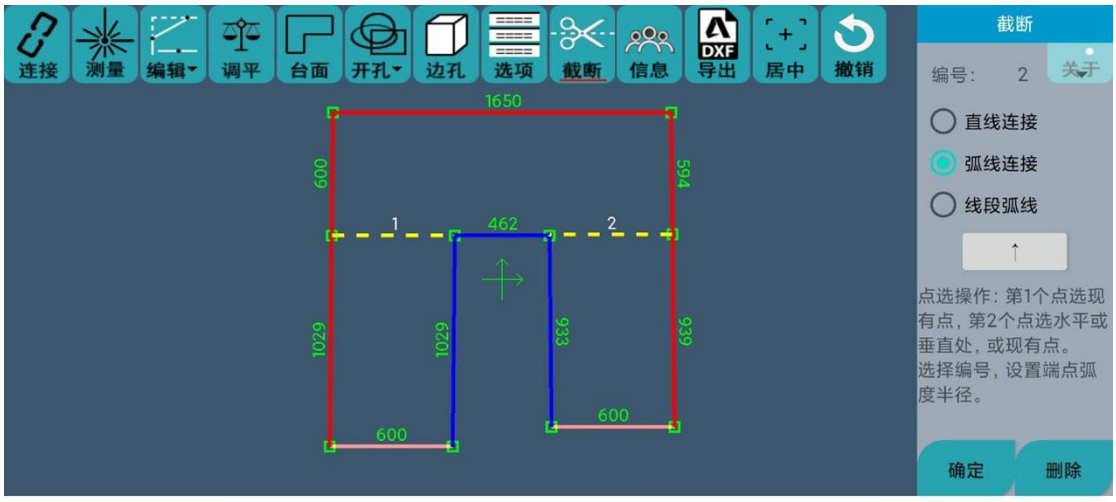
.

Step 9, "Break"

- For irregular surface processing, support horizontal, vertical, dot truncation operation
- Click

, icon becomes

.
- The first point, to click the end of the line segment, the second point can click another endpoint, or roughly horizontal or vertical border position can be, the software will automatically calculate the horizontal or vertical position, automatic correction.



- The generated truncation line is self-correcting accurate position, generally do

not need to move manually;

- Number of truncated lines can be added indefinitely;
- To delete a truncated line, select the line number first and then act accordingly
- The type of truncated line is divided into straight line connection, arc connection, line segment arc connection.
- Only horizontal or vertical truncation line, you can use arc connection, line segment arc connection, click the arrow button below to switch the offset direction, and then point OK, change the truncation line type.

Step 10， "Info"

- Click

，Set the table other information, operator, customer information and other data. Note is added in the exported DXF general diagram.

Step 11, "Export"

- Click

，can generate DXF file, standard format to support customer's cutting software. File saved in mobile storage /0GLCAD/data2023******.dxf. Through OTG transfer U disk, you can use mobile file management, copy out.
- You can also connect to the computer, open the phone storage, copy this file. File name User-defined.
- The generated file is divided into a whole file, for example, "abc.dxf".
- Split file: Split multiple files according to the truncated line drawn by the user,

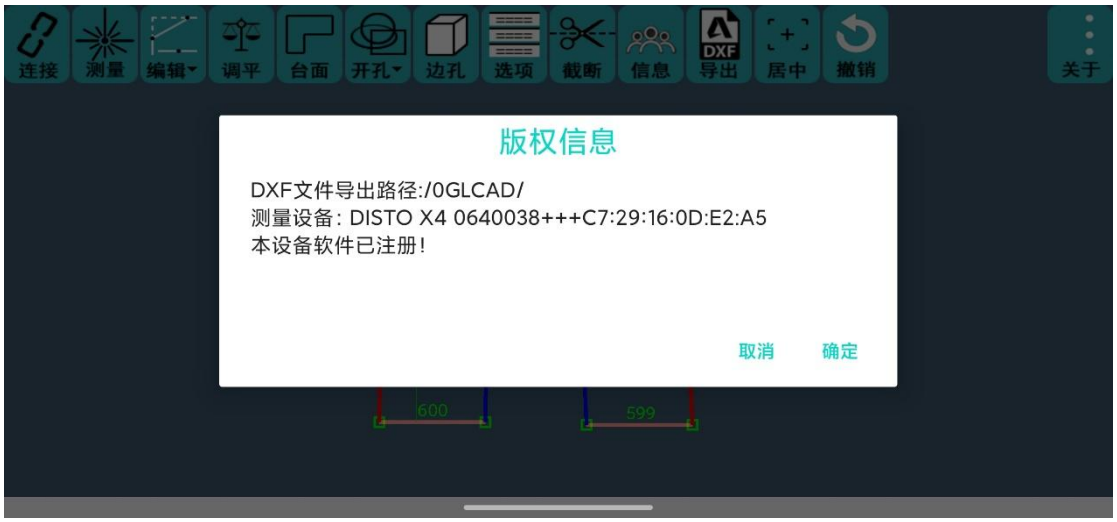
such as "abc1.dxf", "abc2.dxf", and "abc3.dxf".

Step 12，”About”

copyright information:

- **Click**

, Open copyright information, displays the path of the exported file for easy copy and export. Unregistered users can try the file for 30 days. After registration, permanent use.



- **After the trial period expires, the software cannot be used. Send the local device number to the supplier, purchase the activated serial number.**

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.