ABCSCOPE

Instruction for Ballistic Balculator

Instructions for filling in parameters in app

In order to calculate the trajectory more accurately, the BC 2.0 needs to obtain some actual trajectory parameters. Therefore, on our mobile app, the user needs to fill in a form in which the user needs to fill in at least two groups of data, one is the distance value of far zero point, and the other is the value of the offset of the bullet trajectory point relative to the aiming point. If more data are filled in, the trajectory calculation results will be more accurate. When users change gun or bullet, this form is invalid, so you need to fill in another form to match the changed gun or bullet. You can fill in four forms altogether.

Table filling steps

Step 1: Install APP software on mobile phone: ABCSCOPE

Step 2: Turn on the sight and ensure that the Wi-Fi in the sight is turned on.

Step 3: Turn on the Wi-Fi setting option of the mobile phone, select the Wi-Fi option named "ABCSCOPE_xxxxxx", and connect this Wi-Fi option. The initial password of Wi-Fi is 88888888.

Step 4: Short press the app icon on the mobile phone to enter.

Step 5: Short press <Connect> to enter the app. If you fail to enter the app, please try the following methods:

- Close the app and reopen the app to connect.
- Turn off the sight, turn it on again, connect the sight's Wi-Fi with your mobile phone, and then reopen the app.

Step 6: When you open the APP, you will see the Trajectory Calculator area in the lower half of the screen, as shown in the right figure.Trajectory calculator is divided into three areas: A, B and C. All parameters in area A are obtained from the sight and cannot be modified. Area B is the actual calculator result of the Trajectory calculator. Area C has four tables, you can fill in one or all. After filling in, select one of the tables to use. You need to open the sight and find the Trajectory calculator option (BA) in the scope setting menu. Select the table to be used in this option.
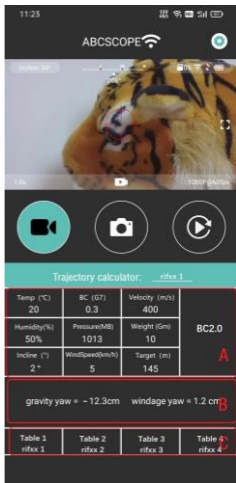
Step7: Fill in the form according to the rules. Please click (import note) to read it carefully.

A B C D E: These areas are filled in according to the actual parameters. If the user does not know the exact parameters, the default data can be used. <incline> indicates the incline angle during shooting. The default is 0 °, so please try to shoot the target in a horizontal state.

The Y area indicates the offset value: The offset value between the bullet aiming point and the actual impact point due to the influence of gravity during flight

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Trajectory calculator : rifxx 1   **IMPORTANT NOTE**

Temp (°C)	BC (G7)	Velocity (m/s)	
20 A	0.3 B	400 C	
Humidity (%)	Pressure (mB)	Weight (Gm)	BC2.0
50	1013	10 D	
incline(°)	Wind Speed (km/h)		
≈0° E	5		

Range(m)	Gravity yam(cm)	Windage		Flying
0	3.333	1.15		
20	3.333	1.15		
40	3.333	1.15		
60	0 3.333	9.8 1.15		
80	Y 3.333	X 1.15		
100	-14.9 3.333	9.8 1.15	0.267	
150	3.333	1.15		
200	3.333	1.15		
250	3.333	1.15		
300	3.333	1.15		
350	3.333	1.15		

The X area indicates the offset value: The offset value between the bullet aiming point and the actual impact point due to the influence of wind during flight

Step8: Area Y: two datas are filled in this area (0 and -14.9). 0 represents the far zero point data, -14.9 represents the gravity offset value between the bullet aiming point and the actual impact point due to the influence of gravity during flight after aiming at a target of 100m.

Area X: a data is filled in this area, 9.8 represents the wind offset value between the bullet aiming point and the actual impact point due to the influence of wind during flight after aiming at a target of 100m.

0.267s is the flight time of the bullet, which is automatically calculated by APP.

The acquisition methods of 14.9 and 9.8 are shown in Figure A and figure B. Target paper is placed at 100m, Figure A shows that aiming at the cross center on the target paper, and then shooting. Figure B shows the offset value of the ballistic point on the target paper relative to the aiming point in the two directions of gravity and wind speed after shooting.

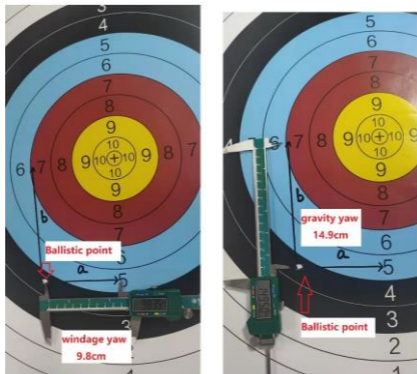More data can be filled in Area X and Area Y.

Figure A

Figure B

Step8: Save and submit data.

Step9: Turn on the range finder, If the indicator on the LRF is always on, it indicates that the connection between the LRF and the sight is successful. if the indicator light flashes, indicating that

the connection fails, you need to open the setting menu of the sight, select the Bluetooth option in the setting menu and open it.

Step10: Short press the power button of the sight to open the laser range finder, and the actual distance will be displayed in the lower left corner of the display screen, press it again to turn on the Ballistic calculator, and press it for the third time to turn off the laser range finder and Ballistic calculator.

NOTE:

When using the Ballistic calculation function, the incline angle of the sight must be accurate, so you need to calibrate the incline angle of the sight. Open the sight setting menu, find the <more> option in the setting menu, and click to enter, You will see < Compass adjust>.

When the Ballistic calculator is opened, if the Ballistic impact point icon cannot be seen on the display screen of the sight, it indicates that the ballistic impact point exceeds the display range of the display screen.