1. Find the AIW-Radar software icon on the computer desktop and double-click it to run, as shown in Figure 1.



Figure 1.

2. The login interface of the program is shown in Figure 2. The interface can be used to select protocols to communicate with current devices. At the same time, the software will automatically display the serial number on the current computer, select the correct serial number and communication protocol, click the "login" button, and the software will shake hands with the device to communicate.(When using MORDERN standard hart connector, you should choose HART/STD as protocol.)

🕋 AIW-Radar			— x
		ChinaSimba HART/ModBus Connection	
Serial no.		•	
Language	: English	-	
Protocol type	: HART/ANL	-	
Login	Experience	Exit	t
Сор	yright ChinaSimba Electronic Co., ltd. All Rights Reserved. www.chinasimba.com		V1.0.3

Figure 2.

 If the serial number or communication protocol is selected incorrectly, the software will not be able to connect to the device. After the timeout, the login interface will be re-displayed. The handshake process is shown in Figure 3.

🕋 AIW-Radar			-	×
		ChinaSimba HART/ModBus Connection		t
Serial no.:		-		
Language:	English	•		
Protocol type:	HART/ANL	-		
Login	Experience	Exit		1
				:
Соруг	ight ChinaSimba Electronic Co., Ltd. All Rights Reserved. www.chinasimba.com		V1.0.3	•

Figure 3.

4. When the handshake between the software and the device is successful, it will automatically enter the main interface, which defaults to show the "basic settings" interface. The current distance of the device will be displayed on the right side of the main interface. As shown in Figure 4. Note: If the current connection is 485 devices, the software will automatically shield "current" related functions.

🙎 AIW-Radar			- 🗆 ×
		Basic Setting	
Basic Setting			Online
	Low level adjustment(%):	0. 000	The current high empty(m):
Diagnosis (Waveform)	Low adjus. (m):	30. 000	
Simulation(Current)	High adjus. (%):	100. 000	2.334
	High adjus. (m):	0. 600	The current high level(m):
Service	Dead zone(m):	0. 600	2.337
	Meas. range(m):	30. 000	
Information	The rapid change of position:	Yes	
Distance Deliburation	Head wave choice:	Normal	
Distance Calibration	Damping time(s):	6	
Backstage	Sensor lable:	SNESOR	
Exit		Read Save	
			V1.0.3

Figure 4.

- 5. The "Basic Settings" interface displays the basic parameter information related to the measurement output of the device. It can be modified according to actual needs.
- 6. Click the "Diagnosis (Waveform)" button on the left side of the main interface, and the main interface will display the echo curve of the current device by default. The type of curve that needs to be displayed can be selected according to the need. As shown in Figure 5.



Figure 5.

7. Click on the "Service" button on the left side of the main interface, and the main interface will display service information. Including menu language, measurement unit, etc. The parameters can be modified according to the actual needs. As shown in Figure 6.

🔼 AIW-Radar							_		\times
			Serv	vice					
Basic Setting	Dra Carlo							Online	
Diagnosis(Wayoform)	Vistance offset(m): Language:	0.100 Chinese					The curr	rent high em	ıpty(m):
	5 5						 		
Simulation(Current)								2.334	
							The curr	rent high lev	el(m):
Service								7 3 3 7	
								2.002	
Information									
Distance Calibration									
Backstage									
Evit					Read	Save			
LXII					Rodu	Bave		v	1.0.3

Figure 6.

8. Click on the "Information" button on the left side of the main interface, and the main interface will display equipment-related production information. It is suggested that this parameter be set only in the production process. As shown in Figure 7.

🚈 AIW-Radar			$ \Box$ \times
		Information	
Basic Setting	1999		Online
	LUGU:	AIW-Radar	
Diagnosis(Waveform)	Serial no.:	12345678	The current high empty(m):
	Production date:	2019-09-12	
	Software version:	1.0.1	2.334
Simulation(Current)			The current high level(m):
Service			2.332
Information			
Distance Calibration			
Backstage			
Exit		Read Save	V1.0.3

Figure 7.

9. Click on the "distance calibration" button on the left side of the main interface, and the main interface will display the distance calibration parameter information of the device. The distance can be calibrated at multiple points according to the need. As shown in Figure 8.

🚈 AIW-Radar					- 🗆 X
		Distance Ca	libration		
Basic Setting					Online
	Calibration points:	10	•	Points to save	The current high empty(m).
Diagnosis(Waveform)	Radar mea	surement value	Laser measu	rement value	The current nigh empty(in).
	1	1	1	.1	2.334
Simulation(Current)	2	2	2	2.1	
	3	3	3	3.1	The current high level(m):
	4	4		k.1	
Service	5	5	5	0.1	2.332
	6	6	6	0.1	
Information	<u>/</u>	/			
	8	8	8	5.1	
Distance Deliburation	9	9	9	0.1	
Distance Lalioration		10		0.1	
Backstage					
Exit	Clear	Import Export	Read	Save	
					V1.0.3

Figure 8.

10. Click on the "Backstage" button on the left side of the main interface, and the main interface will display the device precision calibration KB parameters. It can be modified according to actual needs. As shown in Figure 9.

🚈 AIW-Radar				—		×
Racio Sottino		Support				
	rai k	0.11000			Online	
Diagnosis(Waveform)	CAL_B	0. 22000	5	The cur	rent high en	ηptγ(m):
	TGC: Terr offect.	3			7 334	
Simulation(Current)	Temp offset:	Un	<u> </u>		2.001	
				The cur	rent high lev	rel(m):
Service					2.332	
Information						
Distance Calibration						
Backstage						
Exit		Read Save				103
				U	v	1.0.5

- Figure 9.
- 11. When the device supports current output, click the "simulation (current)" button on the left side of the main interface, and the main interface will display the relevant parameters of the device current output. It can be modified according to actual needs. As shown in Figure 10.

🚈 AIW-Radar			- 🗆 ×
Rasic Setting		Simulation(Current)	-
	Current output]	Online
Diagnosis(Waveform)			The current high empty(m):
Simulation(Current)	Output mode:	4-20mA v	2.334
	raut mode: Minimum current:	4mA V	The current high level(m):
Service			2.332
Information			
Distance Calibration			
Backstage			
Exit		Read Save	V1.0.3

Figure 10.