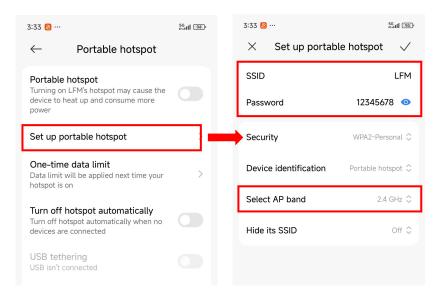
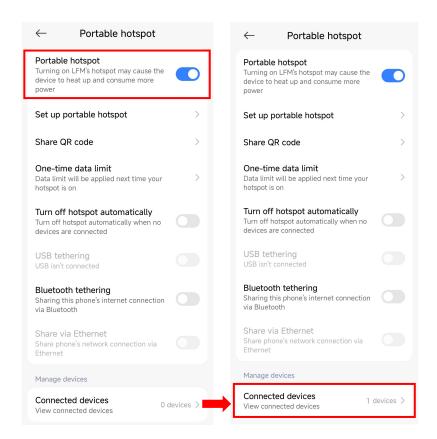


I. The anti-theft device connects to the phone hotspot

1. ① The device is normally powered on \rightarrow ② Open the hotspot settings interface of the phone \rightarrow ③ Modify the hotspot name to: LFM; Password: 12345678 \rightarrow ④ Band selection: 2.4GHz band

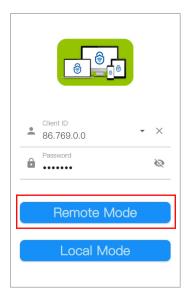


2. Open the hotspot, the number of connected devices has changed from 0 to 1, indicating successful connection to the phone hotspot.

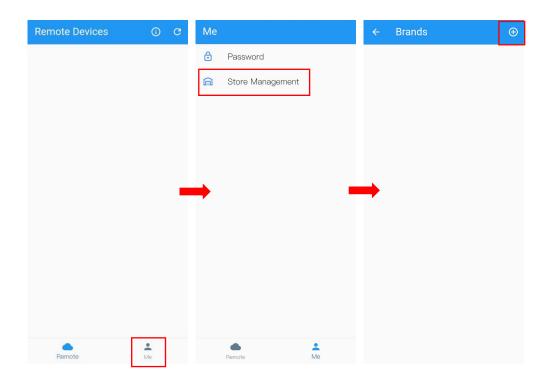


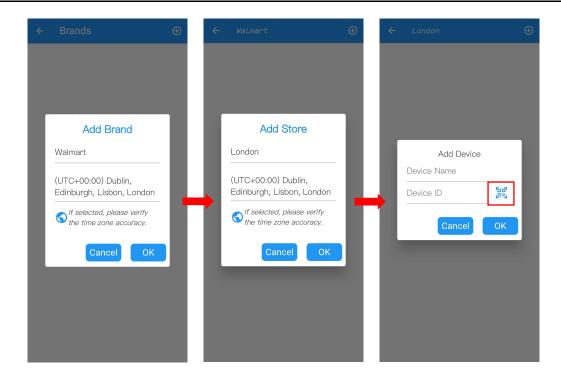
II. Add the anti-theft antenna to the store's remote account

1. Open the tuning software, enter Client ID and Password. Click "Remote mode".



2. ① Click "Me" \rightarrow ② Click "Store Management" \rightarrow ③ Click "+" \rightarrow ④ Add brand \rightarrow ⑤ Add store \rightarrow ⑥ Add device \rightarrow ⑦ Enter device ID.

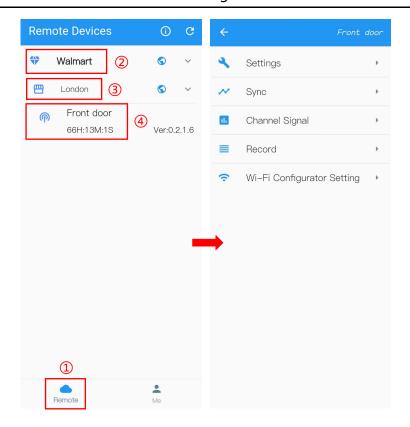




3. When adding the device ID, you can scan the QR code on the anti-theft antenna to display its ID information.



4. Return to the "Remote Mode" page, ① Click "Remote" \rightarrow ② Click "Brand" \rightarrow ③ Click "Store" \rightarrow ④ Click "Device", you can view the information of the device.



II. Tuning and set up the device

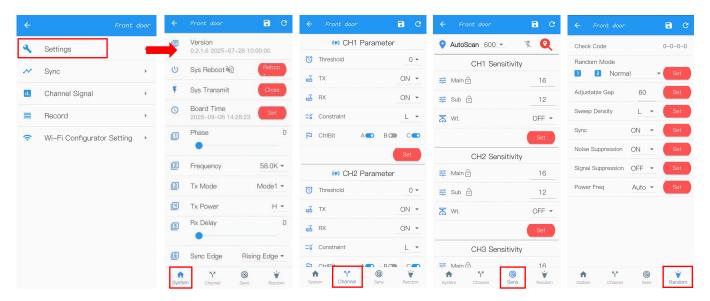
1. Settings

> System page: Set the system parameters of the motherboard

> Channel page: Set channel parameters

Sensitivity page: Set sensitivity

> Random page: System random mode setting



System Page				
Parameter items	Default parameters	Parameter range	Setting	
Phase	0	0~119	Setting the phase	
Frequency	58K	57.8K/ 58K/	When the soft tag frequency deviates, select the	
		58.2K/ 58.4K/	corresponding frequency for matching	
		58.6K	corresponding nequency for matering	
TX Mode	Mode 1	Mode 1/Mode 2/	Five modes are different software algorithms. Can be	
		Mode 3/Mode	switched when the surrounding environment is poor.	
		4/Mode 5	Currently, only Mode 1 to Mode 3 are available, as to	
		,	Mode 4 and Mode 5,they are reserved for future use.	
TX Power	Н	H (High) /	No setup needed	
		M (Middle) /		
		L (Low)		
RX Delay	0	0~100	No setup needed	
Sync Edge	Rising Edge	Rising Edge/	If the position of the live line and the neutral line are	
		Falling Edge	opposite, you can switch through the software, no need	
			to manually switch. (the normal one is the left neutral line	
			and the right live line.)	
Jammer Detc	OFF	ON/OFF	Check whether there are irregular interference signals	
			around. When an irregular signal is detected the antenna	
			indicator light will "flash 4 times-pause-flash 4 times". To	
			ensure good use, the interference source should be	
			eliminated.	
Tag Nearby Detc	OFF	OFF/ S/ M/ L	Detecting whether there is 58kHz labels or tags around	
			the antenna that affects the antenna work: Select the tag	
		S: Small tag;	size corresponding to the store (S/M/L). If a tag is	
		M: Medium tag;	detected around, the antenna will normally alarm for	
		L: Large tag;	about 90s, and then loop "beep 2 times-pause-beep 2	
			times-pause" and the warning light will also flash with	
			beep until the tag is removed.	
Enh.	ON		To improves tag detection rates. When activated, the	
			system will preprocess collected data and adjusts the valid	
			data range. If poor distance stability or large deviation in	
			repeated measurements occurs during on-site testing, try	
			to disable this function for troubleshooting; if there is no	
			improvement, please restore the default enabled state.	
Function Keys:				
Sys Reboot 🔌	Reboot		System reset and restart. (with or without prompt sound)	
Sys Transmit	Close		Click "Close", the system will enter close transmitter	
			status.	
C			Refresh	
a			Save settings	
Set			When change the parameters, click "Set"	

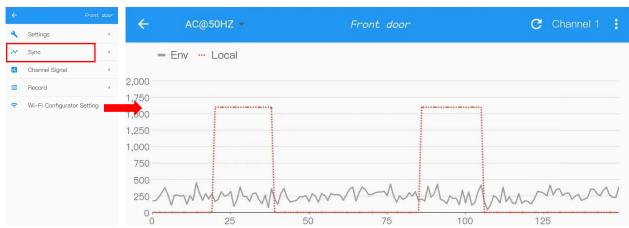
Channel Page					
Item	Default parameters	Parameter range	Setting		
Threshold	0	0~5	The higher the value, the higher the alarm threshold. When the field is prone to intermittent false alarms you can choose to increase the threshold. (When set threshold in software, make sure J107 main board is disconnected otherwise it will affect the software settings.)		
TX	ON	ON/ OFF	Turn on or off the transmit		
RX	ON	ON/ OFF	Turn on or off the receiver		
Constraint	L	H/M/L/OFF	Constraint H/M/L/OFF four states. Higher grades result in greater system stability but reduced detection sensitivity		
CtrlBit Function Keys:	A: ON B: OFF C: ON	A: ON/OFF B: ON/OFF C: ON/OFF	CtrlBit A, B, C two states: ON and OFF. When set to ON, the system achieves greater stability and generates fewer false alarms, but with reduced detection sensitivity.		
	CH2 ((•)) CH3		Click CH1/CH2/CH3 left buttons to locate antennas by alarm sound and light.		
	Sensitivity page				
Project	Default parameters	Parameter range	Setting		
Main	16	1~16	The sensitivity of each channel is divided into two parts:		
Sub	12	1~16	the master board and the slave board. Each part has 16 levels of adjustment. The larger the value, the more sensitive the channel.		
Wt.	OFF	High (H) 、 Medium (M) 、 Low (L)	The weighting option is disabled by default and is suitable for improving detection in situations with high interference. After setting it, observe for several hours to ensure that there are not too many false alarms. The weighting is divided into three levels: High (H), Medium (M), and Low (L). Select the weighting based on the interference situation on site. The greater the interference, the higher the weighting should be.		
Function Keys	-1	1	,		
Auto Scan	In addition to manually setting channel sensitivity, software can also automatically scan to find the most suitable sensitivity combination. Synchronization check: Before using auto-scan, ensure that the device is synchronized with surrounding devices, otherwise it will affect the scanning results. If the surrounding noise is high at the current sensitivity, and a straight line appears when refreshing the phase and the surrounding phase cannot be determined, the sensitivity can be manually reduced to detect the environment more clearly and achieve synchronization. Environmental stability: The premise for auto-scan is that the environment is relatively stable and the interference should not be large or small at a quick changing, otherwise it may lead to inaccurate scanning results				
	Sensitivity Lock: \	You can select the ser	nsitivity value by selecting the LOCK at checkbox next to the		

	Mobile fulling histraction Manual			
	sensitivity of the master or salve board of the channel. When auto-scan, the sensitivity of the locked part will remain unchanged.			
	Result: After the auto-scan is completed, the system will display the best matching sensitivity combination. Users can manually adjust according to the actual effect. Signal level selection: The drop down menu above the scanning interference allows for the selection of channel signal level ,there are five options: 600、800、1000、1200、1400. When searching for the optimal channel sensitivity in the system, the larger selected value,the higher maximum level allowed by the channel, then the resulting channel sensitivity also will increases. If there is significant surrounding interference, it is recommended to increase the value appropriately before scanning.			
Q Use with auto-scan function				
	Random Page			
Parameter items Setting				
. a.actci itciii3	Setting			
Random Mode	Default: Normal;			
	Default: Normal;			
Random Mode	Default: Normal; Optional: Adjustable,YS0, YS1-Adaptive,YS1-Enhanced,YS1-standard, L/N Irregular			
Random Mode Adjustable Gap	Default: Normal; Optional: Adjustable,YS0, YS1-Adaptive,YS1-Enhanced,YS1-standard, L/N Irregular The setup could be done with the help of Lifangmei engineers			
Random Mode Adjustable Gap Sweep Density	Default: Normal; Optional: Adjustable,YS0, YS1-Adaptive,YS1-Enhanced,YS1-standard, L/N Irregular The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers Set under the help of Lifangmei Engineer.			
Random Mode Adjustable Gap Sweep Density Sync	Default: Normal; Optional: Adjustable,YS0, YS1-Adaptive,YS1-Enhanced,YS1-standard, L/N Irregular The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers Set under the help of Lifangmei Engineer. The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers			
Random Mode Adjustable Gap Sweep Density Sync Noise suppression	Default: Normal; Optional: Adjustable,YS0, YS1-Adaptive,YS1-Enhanced,YS1-standard, L/N Irregular The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers Set under the help of Lifangmei Engineer. The setup could be done with the help of Lifangmei engineers			
Random Mode Adjustable Gap Sweep Density Sync Noise suppression Signal Suppression	Default: Normal; Optional: Adjustable,YS0, YS1-Adaptive,YS1-Enhanced,YS1-standard, L/N Irregular The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers Set under the help of Lifangmei Engineer. The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers Select 50 Hz or 60 Hz according to the local voltage frequency. After selection, the system will not automatically detect the frequency. This function is used when the voltage frequency is unstable and causes system alarms, such as when shops are powered by UPS or generators. (only set for the case where the frequency jitter of electricity is not high. If the jitter is			
Random Mode Adjustable Gap Sweep Density Sync Noise suppression Signal Suppression Power Freq	Default: Normal; Optional: Adjustable,YS0, YS1-Adaptive,YS1-Enhanced,YS1-standard, L/N Irregular The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers Set under the help of Lifangmei Engineer. The setup could be done with the help of Lifangmei engineers The setup could be done with the help of Lifangmei engineers Select 50 Hz or 60 Hz according to the local voltage frequency. After selection, the system will not automatically detect the frequency. This function is used when the voltage frequency is unstable and causes system alarms, such as when shops are powered by UPS or generators. (only set for the case where the frequency jitter of electricity is not high. If the jitter is			

2. Synchronization

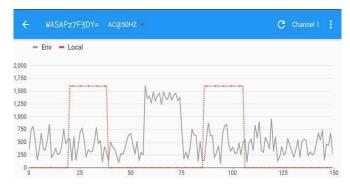
Used to check the environmental data and phase information around the antenna.

 $\ \textcircled{\scriptsize 1}$ Click "Sync" to enter the synchronization interface

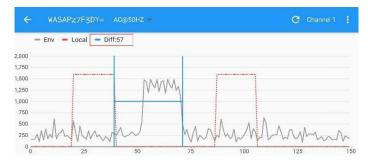


Environment		
Local	The red dashed box indicates the signal transmitted by this antenna.	
Env	Grey block indicates environmental signal. Click the right edge line of the red box first, then click	
	the right edge line of the gray box, the phase difference between this antenna and the external	
	environment can be calculated.	
Channel 1 :	Channel selection	
C	Select the corresponding phase channel and click "Refresh" . The antenna will collect the	
Refresh	surrounding environment data and upload it onto system synchronization. For the convenience of	
	system synchronization, please select the channel with the best signal for tuning. If the channel	
	signal interference is very severe, you can select one antenna, reduce its sensitivity, then check the	
	phase. Restore it to its initial state after synchronization is completed again.	

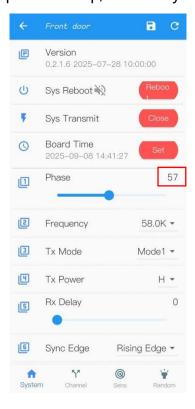
② As shown in the figure below, the red box represents the phase of Lifangmei and the gray box represents the phase of other devices. The two phases need to be synchronized.



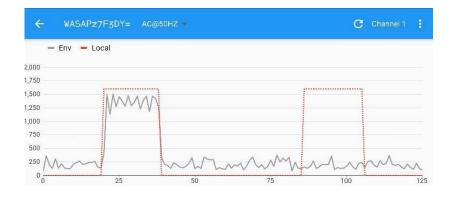
③ Click the point at the edge of the red box and the edge of the gray box, and measure the phase value. In the figure below, the phase value is 57.



④ Return and enter the "Settings" page, refresh first, then adjust the phase option to 57, which should be the same value as in the previous step, and finally click to save.

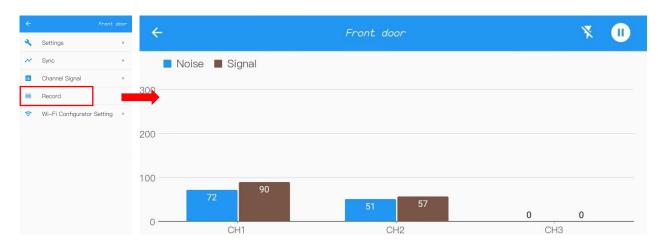


⑤ After synchronization is completed, the antenna will sound an alarm, indicating that the antenna adjustment is successful. Then return to the "Sync" option and enter again. If the gray frame is below the red frame, synchronization is complete.



3. Channel Signal

Click "Channel Signal" to view the channel noise and signal.



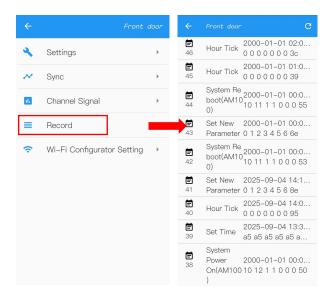
Channel Signal		
Noise	Surrounding noise.	
Signal	Intensity of interference with the signal from surrounding noise.	
* TX ON	Used to detect tag signals: Determine whether there are tags around the antenna. After click TX ON, if	
17.014	you see the brown column suddenly rise, it means there are tags around.	
Display	Click the "Display" button, the antenna will automatically upload the channel signal and surrounding	
_ 15p1dy	noise. Note that label cannot be detected at this time.	

- Channel Signal 1 indicates the device is unaffected by environmental interference;
- > Channel Signal 2 indicates significant interference with a value of 250, where a high blue column represents unsynchronized phase;
- Channel Signal 3 shows a high brown column indicating tag interference in the vicinity;
- > Channel Signal 4 shows equally high blue and brown columns, indicating either radiation interference or power conduction interference.



4. Record

Can view the system alarm records and check the causes of alarms through this page.



Record Type	Note
CH1/CH2/CH3 Alarm	Corresponding signal antenna alarm records.
Hour Tick	When the system is powered on, a record is automatically generated every hour.
System Power On	The system is powered on normally. If this record appears consecutively for multiple times,
	check whether the power supply is normal.
Cyclus Error	Indicates that the frequency 50HZ and there is jitter, the frequency is unstable, and the power
	load is large. Power supply by a generator or UPS will probably both lead to this condition.
System Reboot	System reset
Set New Parameter	Changing the relevant parameter settings will automatically generate this record.



Dongguan Lifangmei Electronic Technology Co., Ltd

Email: sales@lifmei.com www.lifangmei.com; www.emenotec.com